

ecology and environment, inc.

1509 MAIN STREET, SUITE 814, DALLAS, TEXAS 75201, TEL. 214-742-6601

International Specialists in the Environment

MEMORANDUM

9798646

TO:

Ed Sierra, Region VI RPO

THRU:

K. H. Malone, Jr., FITOM

FROM:

Brenda Nixon Cook, FIT Chemist

DATE:

June 12, 1989

TDD: F06-8904-81

PAN: FTX0955RAA

SUBJECT:

Preliminary Assessment/Environmental Priorities Initiative

Report for E & S Machine, Longview, Gregg County, TX

(TXD045585882)

I. Site Information

E & S Machine is located at the intersection of Harrison Road and Robin Lane in Longview Texas. The address is 506 W. Harrison Road, Longview, Gregg County, Texas 75604 (Figure 1; Ref. 13). The geographic coordinates are latitude 32°29'45" north and longitude 94°28'12" west (Ref. 7). E & S Machine is a machine shop specializing in the manufacture of valve components used in oilfield service. It is owned by Summit Oilfield Corporation of Dallas, Texas (Ref. 2). The purpose of this investigation is to perform a Preliminary Assessment (PA) of E & S Machine under the Environmental Priorities Initiative (EPI) of the Environmental Protection Agency (EPA).

II. Background/Operating History

A. Site History

E & S Machine began operation in 1965 (Ref. 14). There are no records available prior to 1979. On June 25, 1980 the company filed an EPA Hazardous Waste Identification Form as a small quantity generator with naptha, soluble oil and cutting oils as solid waste streams (Ref. 15). The company lost its small quantity generator status in February 1982, when it began mixing the hazardous naphtha with the non-hazardous waste oils (Ref. 16). The facility regained small quantity generator status in December 1982, when it began selling the spent solvent to Delta Chemical and discontinued mixing the two waste streams (Ref. 17). In January 1984, E & S Machine discontinued use of the hazardous solvent

and filed an affidavit of exclusion with the Texas Water Commission (TWC) for withdrawal of its hazardous waste permit application (Ref. 19). The company was granted the exclusion with the provision that the septic tank/drainfield that had stored the mixed wastes be closed according to TWC guidelines (Ref. 19). The septic tank/drainfield was certified clean-closed on January 6, 1986 and the application for the hazardous waste permit was withdrawn on February 28, 1986 (Ref. 20; Ref. 21).

B. Discussion of Known/Potential Problem(s)

Eight solid wastes streams and five Solid Waste Management Units have been identified at this facility (Figure 2; Ref. 22). The waste streams and corresponding units are summarized in Table 1.1.

A hazardous waste determination has not been performed on wastes 006, 007 and 008. Solvents used in the operation of cleaning machines are provided with the rental of the machines, and wastes (008) generated are recycled by the lessor. E & S Machine currently leases its cleaning equipment from Safety Kleen of Longview, Texas (TWC Reg. # 67028).

According to the June 1986 TWC Compliance Evaluation Inspection report, two 55-gallon steel barrels containing copper shavings were exposed to rain water with no type of runoff control. The barrels are not addressed elsewhere in the files and the company was not cited for this violation (Ref. 22; Ref. 23).

C. Regulatory Involvement

On May 28, 1986, E & S Machine was cited for six Class II Industrial Solid Waste Management violations. On June 17, 1986, a letter of corrective action was received by the TWC indicating compliance (Ref. 23). No further correspondence from the TWC or the EPA was available from state or EPA files.

E & S Machine holds Solid Waste Permit 31458 (Ref. 22). It reported annual sales of \$3 million in 1988 (Ref. 14).

III. Unit Description/Waste Containment/Hazardous Substance Identification

Five Solid Waste Management Units (SWMUs) have been identified at the facility: one closed septic tank/drainfield area, one underground storage tank, two metal storage bins, and one 5 gallon metal container.

SWMU #1 Closed Septic Tank/Drainfield

The closed septic tank/drainfield area was used for the disposal of water soluble cooling oils and spent solvents from approximately 1977 through 1980. The septic tank is a 500 gallon concrete tank with approximately 50 feet of drainfield. Approximately 720 pounds of solvent and 2,400 pounds of coolant oils were disposed on-site during this period. The undiluted solvent (waste 004) is classified as hazardous due to its low flash point of 108°F (Ref. 2). Spent solvents used at this facility included Exxon 627, stoddard solvent and mineral spirits (Ref. 2; Ref. 24). Chemical

analysis of the solvent showed a composition of 99.5% petroleum hydrocarbons, with trace amounts of chromium, lead and mercury (Ref. 18). These solvents contain approximately 85% nonane and 15% trimethyl benzene (Ref. 5: Ref. 6). Coolant oils used on-site include Fisk Oil and Mobilmet 235, which are mixed 1:9 with water prior to use (Ref. 23; Ref. Containment characteristics of the septic tank are not known. It appears that the drainfield served as an overflow area for the septic tank and that no containment was provided for the drainfield. Soil analysis of a sample taken approximately 10 feet from the septic tank at varying depths exhibits some degree of ignitibility suggesting both a lateral and downward migration of the spent solvent (Ref. 4). The soluble coolant oils are classified as non-hazardous (Ref. 23). The septic tank was clean-closed in 1986 and the drainfield area has been paved with a 4 inch concrete slab (Ref. 2; Ref. 20). The facility no longer uses the hazardous solvent and the waste cooling oils are now stored in a 4,000 gallon underground storage tank (Ref. 23).

SWMU #2 Underground Storage Tank

This 4,000 gallon steel underground storage tank is used for the temporary storage of wastewater soluble cooling oils. It also receives, via 2 inch PVC piping, waste oil and water collected in the bottom of the scrap metal dumpster. When the tank if filled, Reed's Septic Tank of White Oak, Texas empties it and disposes its contents at the city wastewater treatment facility. According to the June 1986 TWC Compliance Evaluation Inspection Report, there are no visible signs of containment failure for this storage tank. This unit currently receives only non-hazardous industrial wastes. (Ref. 23).

SWMU #3 Metal Bin #1

There is no documentation stating the size and location of this unit. It appears on the most recent March, 1986 TWC Notice of Registration Industrial Solid Waste Generation/Disposal Form. The bin currently receives plant refuse and oil-contaminated dry sorb. The bin is emptied by Southwest Disposal of Longview, Texas. Plant refuse is classified as non-hazardous; however, no hazardous waste determinations have been made on the oil contaminated dry sorb (Ref. 23).

SWMU #4 Metal Bin #2

Metal Bin #2 is a 39 cubic yard metal dumpster. It contains scrap metal generated during the manufacturing of the oilfield valves. The dumpster is below grade on a slope of approximately 15 degrees, with concrete on all sides and beneath the dumpster. Oil drippings accumulated in the bottom of the dumpster are pumped to the underground storage tank via 2 inch PVC piping. Texas Scrap of Longview, Texas disposes the scrap metal. Scrap metal is listed by the TWC as a Class III Industrial Solid Waste (Ref. 23).

SWMU #5 5 Gallon Container

Waste fork lift oils are stored in a 5 gallon container on-site. Disposition of waste is not known. A hazardous waste determination has not been made for this waste stream (Ref. 22; Ref. 23).

IV. Pathway Characteristics

A. Air Pathway Characteristics

The gaseous and particulate mobility potentials at this site are low. Although the volatility of the spent solvent is high, the waste is no longer generated and the septic tank/drainfield area has been closed (Ref. 2).

B. Ground Water Characteristics

The Tertiary Queen City and the Carrizo-Wilcox sands of the Eocene series are the two most important stratigraphic units in the Longview area. These units are generally composed of sand, silt and clay with some lignite in the Queen City Sand (Ref. 25). Soil borings on-site indicate that sandy clays and silty sands constitute the main soil types (Ref. 4). The depth to ground water is approximately 7 feet (Ref. 4).

The Queen City Sand and the Carrizo-Wilcox aquifer are the primary important water bearing units in this region (Ref. 25). The Queen City Sand is approximately 20 feet thick and is underlain by the sands of the Carrizo-Wilcox aquifer (Ref. 25). Domestic wells in the area are generally drawn from the Queen City Sand at depth of approximately 60 to 70 feet (Ref. 1). Wells drawing from the Carrizo-Wilcox aquifer generally range from 281 to 500 feet deep (Ref. 25).

Net precipitation is estimated at minus 4 inches per year (Ref. 3).

C. Surface Water Characteristics

Topographically, the site is located on a slight rise, suggesting that surface water drainage could flow to either southeast or southwest from the site into Swinging Bridge or White Oak Creeks. Swinging Bridge Creek empties into the Sabine River upstream, approximately 1 to 2 miles southwest of the site and White Oak Creek empties into the Sabine, approximately one mile southeast of the site. The 15 mile downstream in-water segment lies entirely within the Sabine River (Ref. 7). The City of Longview has one drinking water intake located between the two probable points of entry of the two creeks (Ref. 10). The Sabine River is used for industrial, recreational and municipal drinking water purposes (Ref. 26).

The upgradient surface area is estimated to be the size of the facility, 1.4 acres (Ref. 13). The average annual stream flow of the Sabine River is 2012 cubic feet per second (cfs) at the gauging station near Gladewater (Ref. 27). The facility is not located in a floodplain. The 2 year, 24 hour rainfall is estimated at 4.5 inches (Ref. 28).

D. On-Site Pathway Characteristics

E & S Machine is an active facility with less than 50 employees (Ref. 14). It is located less than 250 feet from a residential area (Ref. 7). There is no documentation indicating that barriers prevent site access. The on-site pathway is not a concern because no hazardous wastes are currently generated on-site and previous hazardous waste management units have been closed.

V. Targets

A. Air

The nearest residence is located approximately 200 feet west of the facility. Land in the immediate area surrounding the facility is predominantly residential and commercial. Approximately 65% of the City of Longview and all of the City of White Oak are located within a four mile radius of the facility (Ref. 7). Population within a four mile radius is estimated at 45,000. (Ref. 29).

B. Ground Water

The Queen City Sand and the Carrizo-Wilcox aquifer are the two most important water bearing units in this region (Ref. 25). There are no municipal ground water sources within a four mile radius of the facility (Ref. 1; Ref. 8, Ref. 9). Residences outside the water district lines of Longview and White Oak (supplied by surface water) use their own domestic wells. Fifty-seven homes were identified outside of the municipal water district lines, and within a four mile radius of the facility, on 1983 U.S.G.S. Topographic Map. The nearest residence not served by a public water supply is located approximately 1,400 feet west of the facility (Ref. 7; Ref. 8).

C. Surface Water

The Sabine River is used for municipal drinking water, commercial and recreational purposes (Ref. 26). The City of Longview, which supplies drinking water to a population of 93,000, relies solely on surface water for its municipal supply and draws from both the Sabine River (40%) and Lake Cherokee (60%) (Ref. 8; Ref. 11).

The City of White Oak receives drinking water from Big Sandy Creek, approximately 16 miles north of White Oak (Ref. 9).

D. On-Site

E & S Machine employs less than 50 people and is located less than 250 feet from a residential area (Ref. 7; Ref. 14). There are no barriers to restrict site access. Population within one mile is estimated to be less than 1,000.

VI. Conclusions

E & S Machine located in Longview, Texas, is a division of Summit Oil Corporation of Dallas, Texas. The facility manufactures valve components for oilfield service and has been in operation since 1969. An Affidavit of Exclusion as a hazardous waste generator for this facility has been approved by the TWC. Five on-site SWMUs, were identified. Four regulate non-hazardous solid waste. The fifth, an underground septic tank for hazardous waste, was closed on January 6, 1986. As of July 15, 1986, the facility has been in compliance. The current status of the site is not known.

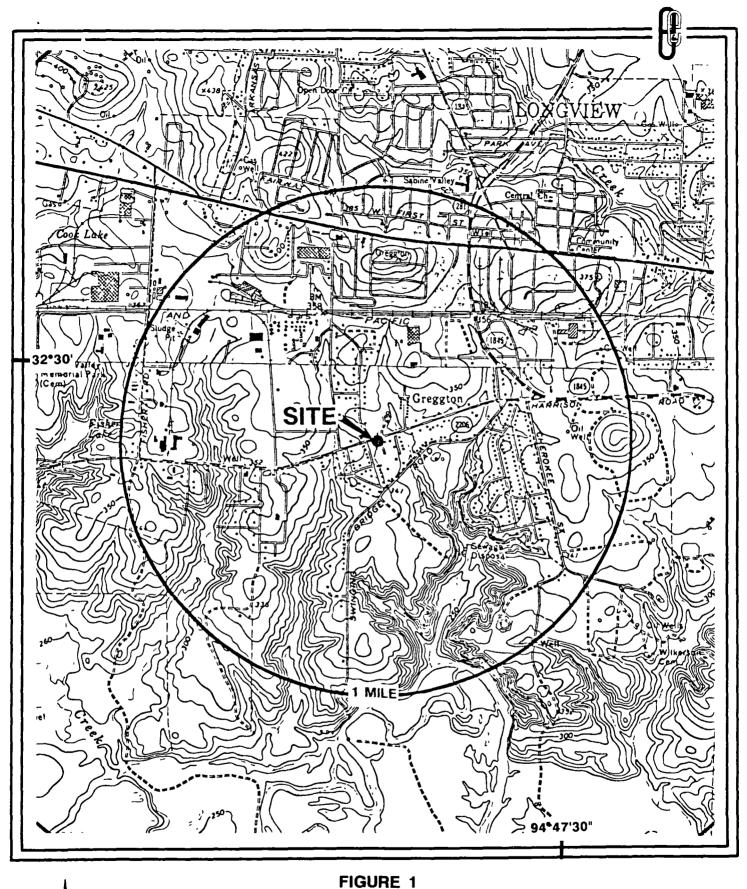
The Sabine River, located approximately 1.25 miles from the site, supplies drinking water to a population of approximately 93,000. The City of Longview drinking water intake is located at the approximate point of entry of one of the possible site drainage pathways into the Sabine River. The potential for contaminant migration to the air, surface water or ground water is low because hazarous wastes are not generated on-site.

The Queen City Sand and the Carrizo-Wilcox aquifer are the two most important water bearing units in this region (Ref. 25). There are no municipal ground water sources within a four mile radius of the facility (Ref. 1; Ref. 8, Ref. 9). Residences outside the water district lines of Longview and White Oak (supplied by surface water) use their own domestic wells. Fifty-seven homes were identified outside of the municipal water district lines, and within a four mile radius of the facility, on the 1983 U.S.G.S. Topographic Map. The nearest residence not served by a public water supply is located approximately 1,400 feet west of the facility (Ref. 7; Ref. 8).

E & S Machine

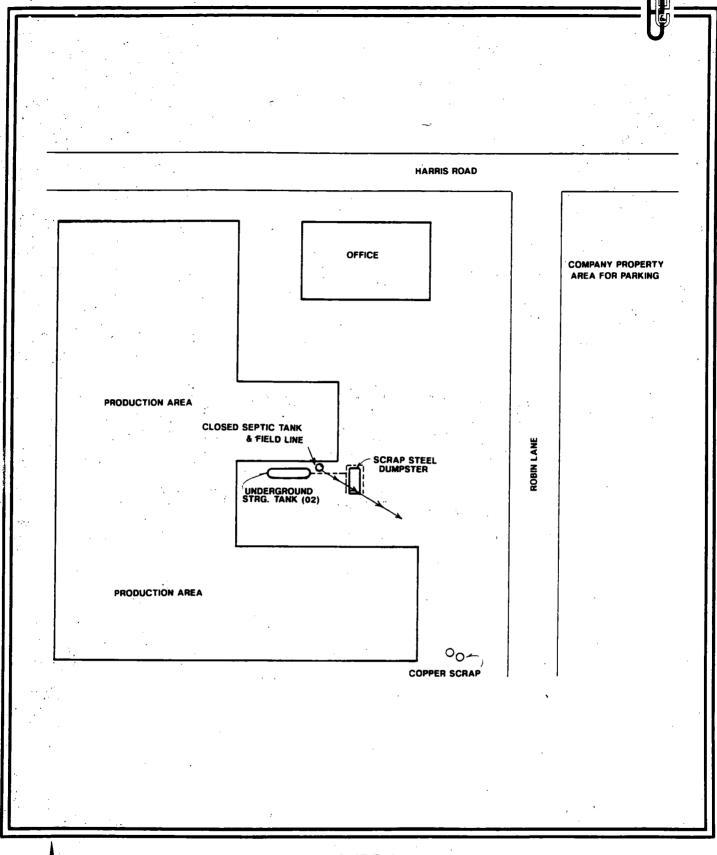
Table 1.1

Waste #	Description	TWC Class	TVC Code	Unit
001	Oil, Cooling	II	210470	Sub Surface Tank, Closed Septic Tank Drainfield
002	Metal Scrap	III	370350	Metal Bin (01)
003	Plant, Refuse	II	279760	Metal Bin (02)
004	Spent Solvents	IH	910100	Closed Septic Tank Drainfield
005	Alkaline Cleaning Solution	I	103960	Sold for Recovery
006	Fork Lift Oils		,	5 Gallon Metal Container
007	Oil contaminated Dry Sorb			Metal Bin (02)
008	Spent Solvents		,	Disposed of by Safety Kleen





SITE LOCATION MAP
E & S MACHINE
LONGVIEW, TEXAS
TXD045585882



N NOT TO SCALE FIGURE 2 SITE SKETCH E & S MACHINE LONGVIEW, TEXAS TXD045585882

E & S Machine

Preliminary Assessment References

Reference

Number Description of the Reference

- O1 ROC. To: U.S. Soil Conservation Service, Longview, Texas. From: Brenda Nixon Cook, FIT Chemist. EPA Region VI. Re: Ground and Surface Water Use in Gregg County.
- 02 Winn, Walter P.E., Kindle, Stone and Associates. Closure Plan Waste Solvent Collection Sump E & S Manufacturing Division, Summit Oilfield Corporation. March 6, 1985..
- Uncontrolled Hazardous Waste Site Ranking System: A Users Manual. 47 FR 31219-31243, 1984 (Appendix A, CERCLA).
- O4 Letter. To: Danny W. Ellison, E & S Manufacturing. From: Walter Winn, Kindle, Stone and Associates. Re: Waste Solvent Collection Sump Closure Plan. July 26, 1985.
- O5 Sax, N. Irving. 1984. Dangerous Properties of Industrial Materials, Seventh Edition. Van Nostrand Reinhold Co.
- O6 Lewis, Richard T. and Tatken, Roger L. September 1980. Registry of Toxic Effects of Chemical Substances, 1979 Edition. U.S. Department of Health and Human Services.
- 07 U.S.G.S. 7.5 Minute Series Topographic Maps. White Oak, TX. 1960, revised 1978. Kilgore NE, TX, 1971. Longview Heights, TX, 1962. Revised 1978. Lakeport, TX. 1983.
- O8 Letter. To: Brenda Nixon Cook, FIT Chemist. EPA Region VI. From: Gunn, Darrell W. P.E., Director of Public Utilities, City of Longview. Re: Municipal Drinking Water Supply for Longview. May 17, 1989.
- O9 ROC. To: Dewayne Ham, City of White Oak, Texas. From: Brenda Nixon Cook, FIT Chemist. EPA Region VI. Re: Municipal Drinking Water Source for White Oak, Texas. May 30, 1989.
- Letter. To: Texas Department of Water Resources. From Danny Ellison, Vice President, E & S Manufacturing. Re: Registration #31458. January 27, 1984.
- ROC. To: Gunn Darrell W., P.E. Director of Public Utilities, City of Longview. From: Brenda Nixon Cook, FIT Chemist. EPA Region VI. May 30, 1989.
- 12 U.S. Fish and Wildlife Service. 1984. Endangered Species of Texas and Oklahoma.

E & S Machine

Preliminary Assessment References

Reference

Number Description of the Reference

- Texas Department of Water Resources Permit Application for Industrial Solid Waste/Processing/Disposal Facility Part A. E & S Machine, Longview, Texas. June 25, 1980.
- 14 Texas Manufacturers Register. 1988. Manufacturers News, Inc.
- U.S. Environmental Protection Agency Notification of Hazardous Waste Activity. E & S Machine. June 25, 1989.
- Letter. To: Dan Ellison, Vice President, E & S Machine. From: Texas Water Development Board. Re: Solid Waste Registration #31458. February 26, 1982.
- 17 Letter. To: Texas Department of Water Resources. From: Dan Elison, Vice President, E & S Manufacturing. Re: Solid Waste Registration #31458. November 18, 1982.
- Letter. To: Texas Department of Water Resources. From: Dan Ellison, Vice President, E & S Manufacturing. Re: Laboratory Test Report for Waste Solvent. April 23, 1982.
- 19 Letter. To: Dan Ellison, President, E & S Manufacturing. From: Texas Water Commission. Re: Solid Waste Registration #31458. Hazardous Waste Permit Application #10341. July 30, 1984.
- Letter. To: Mr. George P. Hartman, Texas Water Commission. From: Dan Ellison, President, E & S Manufacturing. Re: Hazardous Waste Permit 10341. Certificate of Closure. January 3, 1986.
- Letter. To: Dan Elison, President, E & S Manufacturing Division. From: Texas Water Commission. Re: Withdrawal of Hazardous Waste Permit Application. February 28, 1986.
- Letter. To: John Witherspoon, Texas Water Commission, District 5 Manager. From: Dan Ellison, President, E & S Manufacturing. Re: Solid Waste Registration #31458. June 16, 1989.
- Kevin Phillips, Texas Water Commission. Texas Water Commission. Solid Waste Compliance Monitoring Inspection Report. TWC Registration No. 31458. E & S Manufacturing, Longview, Texas. May 28, 1986.
- U.S. Department of Labor, Occupational Safety & Health Administration. Material Safety Data Sheets. Fiske's 35 Soluble Oil. Exxon 627 Solvent. Amrep BC-808.

E & S Machine

Preliminary Assessment References

Reference	ce
Number	Description of the Reference
25	Broom, Matthew, U.S. Geological Survey. Ground Water Resources of Gregg and Upshur Counties, Texas. Texas Water Development Board. Report 101. October 1969.
26	Texas Water Commission. 1988. Texas Surface Water Quality Standards. State of Texas.
27	Buckner, H. D., Carrillo, E. R. and Davidson, H. T. U. S. Geological Survey. Water Resources Data Texas, Water Year 1987. Report TX-87-1. 1987.
28	Herschfield, D. M., 1961, Rainfall Frequency Atlas of the United States. U.S. Weather Bureau Technical Paper No. 40.
29	Number of Inhabitants, Texas. 1980. Census of Population. U.S. Department of Commerce, Bureau of the Census.
30	ROC. To: City of Longview Department of Engineering. From: Brenda Nixon Cook, FIT Chemist. EPA Region VI. Re: Floodplains. June 2, 1989.

RECORD OF (Record of Item Checked Below) X Phone Call Discussion Field Trip COMMUNICATION				
	Conference	Other(Specif	y)	
TO: Joe Labarbar Soil Conservation Service	From:	Cook, FIT Chemi	(5/30/89
Gregg County	brenda Nixon	cook, FII chemi	Time:	10:49 am
SUBJECT: Ground Water an	nd Land Use Gre	egg County		
SUMMARY OF COMMUNICATION				,
I called Mr. Labarbar to	find out if	residents southw	est of the Lon	gview,
Texas city limits had pr	ivate drinking	g water wells.	He said that t	here
were no municipal source	es in this area	a, and all resid	ents would hav	e
their own wells. He sai	d wells were a	generally in the	Queen City Sa	nds
at about 60 to 70 feet.	He estimated	that there were	probably no m	ore
than 50 homes scattered	throughout th	is region.		
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CONCLUSIONS, ACTION TAKE	EN OR REQUIRED			
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INFORMATION COPIES			<u> </u>	
TO:			•	



E & S MANUFACTURING DIVISION

SUMMIT OILFIELD CORPORATION

Danny W Ellison President

March 6, 1985

506 W Harrison Road Longview Texas 75604 214-759-2326

> 3/2/85 nute

Texas Department of Water Resources P.O. Box 13087
Capitol Station
Austin, Texas 78711

Re: Hazardous Waste Permit 10341 Solid Waste Registration 31458

Attn: Ray Henry Austin

Dear Sir:

Please find attached the closure plan for our 500 gallon underground tank which was used for the storage of spent solvents and water soluble cooling oil.

This plan was prepared by the Engineering Firm of Kindle, Stone & Associates in response to your letter of January 4, 1985.

We trust it meets with your approval.

Yours truly,

Jan Ellison

Dan Ellison President

DE:pab

Encl:

P. S. We are also enclosing photographs of the facility.

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laboratory testing done to define the extent of the contamination.

- Any hazardous waste detected by the testing program will be removed by one of the following methods:
 - Aerating the soil to evaporate the volatile components of the waste. on this ide

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- Rinsing the soil with water or water/detergent solution $\mathcal{A}, \mathcal{A}_{\mathcal{O}}$ b. and subsequently disposing of the water at a permitted waste disposal facility.
- Hauling the contaminated soil to a permitted hazardous C. waste landfill. Removed soil will be replaced with suitable material hauled-in from off-site.

Laboratory studies performed on the soil samples will be used to determine which of the methods described above will be used. After implementation of one of the methods, additional testing will be done to confirm that the hazardous waste has been removed.

- _ how When it is confirmed that no hazardous waste remains at the 3. site, any paving removed during the process will be replaced, the septic tank will be filled with compacted soil, and concrete pavement will be installed over the tank.
- rif "listed" then hw is 4. If no hazardous waste is detected but the solvent is detected if detected in appreciable quantities, the contaminated area will be listed as a Class II industrial waste disposal site. delete The area will be surveyed and a legal description of the site will be filed in the Deed Records of Gregg County noting its previous use.
- 5. The closure procedure described above will be implemented after approval of this closure plan by TDWR on the following schedule:
 - Initial evaluation of soil contamination 60 days a.
 - Subsequent soils evaluations (if required) 60 days b.
 - c. Removal of hazardous waste (if required) - 90 days
 - đ. - 90 days Final closure and placement of pavement Total time required = 150 to 300 days

Closure Plan Page 3

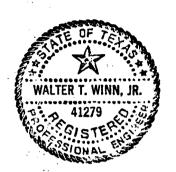
6. Closure of the site in accordance with the approved closure plan will be witnessed and certified by a professional engineer licensed for practice in the State of Texas.

PLAN PREPARED BY:

KINDLE, STONE & ASSOCIATES, INC.

Walter T. Winn, Jr. P.E. Vice-President

WTW/dlg



Kindle, Stone & Associates, Inc. P.O. Box 1552 Longview, TX 75606

TEXAS DEPARTMENT OF WATER RESOURCES

1700 N. Congress Avenue
Austin, Texas

TEXAS WATER DEVELOPMENT BOARD

Louis A. Beecherl, Jr., Chairman George W. McCleskey, Vice Chairman Glen E. Roney W. O. Bankston Lonnie A. "Bo" Pilgrim Louie Welch



TEXAS WATER COMMISSION
Paul Hopkins, Chairman
Lee B M. Biggart
Ralph Roming

Hartmann

Mr. Dan Ellison, President E & S Manufacturing Division Summit Oilfield Corporation 506 West Harrison Road Longview, Texas 75604

Dear Mr. Ellison:

Re: Notification of Full Facility Closure Solid Waste Registration No. 31458

We have reviewed your letter received March 12, 1985, notifying this Department of the planned closure of your hazardous waste storage tank, including a septic tank and associated drainfield.

Pursuant to 31 Texas Administrative Code (TAC) Section 335.213(d), E & S Manufacturing Division of Summit Oilfield Corporation is required to:

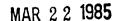
- 1. Publish the enclosed notice in its entirety, at your expense, in a newspaper of paid circulation which is regularly published or circulated in the county of the geographical location of the facility; and
- 2. Mail to the undersigned, immediately upon publication, a completed Publisher's Affidavit form (enclosed), together with a clipping of the published notice.

The date of publication should be as soon as possible after the date of this letter. Should you fail to have the notice published according to the above instructions, please notify the Department immediately. The notice includes the information which the Department believes is necessary to satisfy the requirements of 31 TAC Section 335.213(d). Please read it carefully and notify us immediately if it contains any errors or omissions.

Our review of the closure plan has revealed the following deficiencies:

1. Please describe in detail the steps to be taken to remove all hazardous waste and hazardous waste residues from the storage tank. The
tank, piping, valves, and other related appurtenances should be
decontaminated by triple rinsing (i.e., three rinses each of at least
ten percent of the tank volume) prior to filling the tank with compacted soil. The wash waters resulting from rinsing of the tank
should be disposed of at an authorized industrial solid waste management facility:





- 2. Unless it can be demonstrated prior to approval of the closure plan by the Executive Director that the methods proposed in your closure plan for removal of hazardous waste from the soil (i.e., aeration of the soil and rinsing of the soil) will result in complete removal of the hazardous waste and hazardous waste residues, we recommend that any contaminated soil be disposed of at an authorized industrial solid waste management facility;
- 3. Please describe the methods to be used to verify that no hazardous waste or hazardous waste residues remain at the site after clean-up procedures, as indicated in Section 3. of your closure plan;
- 4. Please describe the steps which were taken to remove all hazardous waste and hazardous waste residues from the container storage area which was utilized for the storage of spent solvents:
- 5. Please provide for advance notification to personnel at the Texas
 Department of Water Resources District 5 office in Kilgore in order to
 afford them the opportunity to be present during the sampling and
 testing procedures and closure activities.

We therefore request that you modify the closure plan to address these deficiencies and re-submit the plan within 30 days or sooner, if possible. We appreciate your assistance in this matter. Should you have any questions, please contact George P. Hartmann of this office at AC512/475-2041.

Sincerely,

Ray Henry Austin, Head Storage and Processing Facilities Unit Solid Waste Section

GPH: lab

cc: TDWR District 5 Office - Kilgore Mr. Walter T. Winn, Jr., Kindle, Stone & Associates - Longview

Notice of Final Facility Closure

Pursuant to 31 Texas Administrative Code (TAC) Section 335.213(d), the Executive Director of the Texas Department of Water Resources hereby gives notice of the receipt on March 12, 1985 of notification of closure of the hazardous waste facility operated by E & S Manufacturing Division of Summit Oilfield Corporation. The facility is located at 506 West Harrison Road in Gregg County, Longview, Texas. Pursuant to the closure information submitted, E & S Manufacturing Division of Summit Oilfield Corporation intends to close a septic tank facility unit.

The purpose of this notice is to give members of the public the opportunity to submit written comments on the closure plan and request modification of the plan. Any comments must be submitted within 30 days of the date of publication of this notice to Ray Austin, Solid Waste Section, Texas Department of Water Resources, P. O. Box 13087, Capitol Station, Austin, Texas 78711. Pursuant to 31 TAC Section 335.213(d), the Executive Director is required to approve, modify, or disapprove the closure within 90 days of receipt. Information regarding the closure is available for public inspection at the central office of the Texas Department of Water Resources, 1700 North Congress Avenue, Austin, Texas 78701, and at the Department's District 5 Office, 2807 Highway 42 North, Kilgore, Texas 75662.

In addition, pursuant to 31 TAC Section 335.213(d), the Executive Director may, in response to a request or at his own discretion, hold a public hearing on the closure whenever such a hearing might clarify one or more issues concerning the closure. Any request for a public hearing should be submitted within 10 days of the date of publication of this notice to Ray Austin, Solid Waste Section, Texas Department of Water Resources, P. O. Box 13087, Capitol Station, Austin, Texas 78711; telephone AC512/475-2041.

Issued	in	Austin,	Texas	on	March	21,	1985

C. R. Miertschin

Assistant Director

Texas Department of Water Resources

Received May 1,1985

April 19, 1985

Mr. Ray Henry Austin Texas Department of Water Resources P. O. Box 13087 Capitol Station Austin, Texas 78711

RE: Hazardous Waste Permit 10341 Solid Waste Registration 31458

Dear Mr. Austin:

The Closure Plan for our facilities has been revised to incorporate the comments made in your letter of March 21, 1985. We are hereby submitting the revised plan for your approval.

If you have any questions or require additional information, please do not hesitate to contact either myself or our Engineer, Mr. Terry Winn of Kindle, Stone & Associates, Inc. at 214/297-7700.

Yours truly,

Dan Ellison

President

DL/blm

Enclosure

1515TCC/

CLOSURE PLAN WASTE SOLVENT COLLECTION SUMP E&S MANUFACTURING DIVISION SUMMIT OILFIELD CORPORATION

Description of Facilities

E&S Manufacturing Division of Summit Oilfield Corporation is a machine shop specializing in manufacture of valve components for use in oilfield service. For three years prior to September 20, 1980, spent solvents and water soluble oil coolants were stored/-disposed onsite in a 500-gallon concrete septic tank with approximately 50 feet of drainfield. Production of the waste materials during that time was an estimated 720 lb. per year of solvents and 2400 lb. per year of coolants. The waste was removed from the septic tank on several occasions during the three-year period when the quantity of waste exceeded the capacity of the drainfield. Also, much of the solvent would be expected to have been lost to evaporation due to its volatility. However, some of the solvent and a substantial part of the coolant would be expected to have been disposed in the drainfield by sorption into the surrounding soil.

The undiluted solvent is classified as a hazardous waste by virtue of its low flash point of 108°F. The soluble oil coolant is non-hazardous. Since use of the drainfield was discontinued in 1980, the ground surface over the drainfield has been paved with a 4" thick concrete slab which covers a large part of the plant site adjacent to the machine shop. The concrete pavement has isolated the waste from the effects of rainfall on the surface, minimizing the possibility of migration of the materials into the groundwater. The solvent and coolant mixture would be expected to remain in place and be naturally decomposed by biological processes. Decomposition should be fairly complete at this time.

When the solvents were in use, they were stored in drums on a concrete storage area. Because of the high volatility, any spillage would have been completely evaporated. Further removal of the solvents in this area is not considered necessary.

Proposed Closure Procedure

Λì

1. Contamination of existing soil along the routing of the drainfield will be evaluated. A soil boring will be taken as close as possible to the drainfield line at a distance of approximately 10 feet from the septic tank. Soil samples will be taken to a depth of 10 feet, then tested by an independent testing laboratory to determine if a) any wastes remaining are considered hazardous according to the flashpoint determination and b) if the solvent is still present in its original form.



Closure Plan 2 2

If hazardous waste or the solvent is detected in the first boring, additional borings will be made, and additional laboratory testing done to define the extent of the contamination.

- Any hazardous waste detected by the testing program will be removed to the depths indicated by the borings. Then the soil remaining will be tested to be certain that all hazardous waste has been removed. As long as testing indicates the presence of hazardous waste, removal of material will continue in cuts of 6" depth. Removed soil will be replaced with suitable material hauled-in from off-site.
- 3. When it is confirmed that no hazardous waste remains at the site, the septic tank and associated piping will be triple-rinsed with rinsings being hauled to a permitted disposal facility, any paving removed during the process will be replaced, the septic tank will be filled with compacted soil, and concrete pavement will be installed over the tank.
 - 4. If no hazardous waste is detected but the solvent is detected in appreciable quantities, the contaminated area will be listed as a Class II industrial waste disposal site. The area will be surveyed and a legal description of the site will be filed in the Deed Records of Gregg County noting its previous use.
 - 5. The closure procedure described above will be implemented after approval of this closure plan by TDWR on the following schedule:
 - a. Initial evaluation of soil contamination 60 days
 - b. Subsequent soils evaluations (if required) 60 days
 - c. Removal of hazardous waste (if required) 90 days
 - d. Final closure and placement of pavement 90 days
 Total time required = 150 to 300 days

Closure Plan Page 3

Closure of the site in accordance with the approved closure plan will be witnessed and certified by a professional engineer licensed for practice in the State of Texas.

PLAN PREPARED BY:

KINDLE, STONE & ASSOCIATES, INC.

Vice-President

WTW/dlg



^{1 -} Revisions made to incorporate TDWR comments in letter of March 21, 1985.

PUBLISHER'S AFFIDAVIT

PROOF OF PUBLICATION



STATE OF TEXAS) County of Gregg

Before me, the undersigned authority, on this day personally appeared

Barbara Greer

of Longview Morning Journal and The Longview Daily News, daily newspapers of general circulation, published at Longview, in Gregg County, Texas, who deposes and says that the advertisement, as per copy attached, was published in the regular issues of the

Longview Morning Journal

of March 29, 1985

Signed: Barbara Green

Subscribed and sworn to before me

this the _____2 day of ____April_19____85

Notary Public in and for

Gregg County, Texas.

My Commission expares 14-88

Uncontrolled Hazardous Waste Site Ranking System

A Users Manual (HW-10)

Originally Published in the July 16, 1982. Federal Register

United States
Environmental Protection
Agency

REF 04

K. W. KINDLE, P.E. LARRY J STONE PE MICHAEL R. DUNN, P.E. JOE N. HARLE, P.E. TONY C. MARTIN, A.I.C.P. CHRIS C. MAURITZEN, P.E. ROBERT L. THURBER, P.E. WALTER T. WINN, P.E. JONGE H. YOUNG, P.E.



ENGINEERS - PLANNERS

PAT D. dePAMPHILIS. P.E. I. F. GARZA, P.E. RICHARD F. GRISWOLD, P.E. TOM Y. HARRIGAN, P.F. MARK B. HUDSON, P.E. JERRY W LANDS PE PHILIP J. LINDSAY, SR., P.E. JOSEPH W. NORRIS, P.E. BILLY D. SIMS. P.E. GENE TOIGO, P.E. JAMES E. RICE. P.F. MITCHELL L. FORTNER, E.I.T.

6.4.

July 26, 1985

Mr. Danny W. Ellison E & S Manufacturing Division of Summit Oilfield Corp. 506 W. Harrison Road Longview, TX 75604

Waste Solvent Collection Sump Closure Plan

Dear Danny:

Enclosed is a report from East Texas Testing Laboratory, Inc. with results of soil sampling for the subject project. The first boring required under Item 1 of the TDWR approved closure plan revealed that a) wastes remaining are not considered hazardous according to the flashpoint determination and b) the solvent is no longer present in its original form.

It is therefore concluded that additional borings will not be required and that the measures described in Items 2 and 4 of the approved plan will not be required. We recommend that the procedures described under Item 3 be initiated at your earliest convenience.

According to the schedule in the plan, the work should be completed within 150 days of approval of the plan which is October 13, 1985. The procedures include:

- Triple water rinsing of the septic tank with rinsings being hauled to a permitted disposal facility.
- Filling of the septic tank with compacted soil. 2.
- Installation of concrete paving over the tank.

JUL 3 0 1985

Mr. Danny W. Ellison E & S Manufacturing July 26, 1985 Page 2

Please give me a call when this is to be done so that I can witness it, then write a letter of certification to TDWR.

Sincerely,

KINDLE, STONE & ASSOCIATES, INC.

Walter T. Winn, Jr., P.E. Vice-President

WTW:rdt Enclosure

cc: Keith Anderson - TDWR Kilgore Bill Brown - TDWR Austin



East Texas Testing Laboratory Inc.

GEOTECHNICAL . MATERIALS . ENVIRONMENTAL

ENGINEERS . CHEMISTS . CONSULTANTS

HOME OFFICE 1717 East Erwin Tyler, Texas 75702 Main Office (214)595-4421 July 16, 1985 Job No. 663-85

Tyler, Texas

Analytical Lab (214)595-6402

LONGVIEW

707 West Cotton Street

707 West Cotton Street Longview Texas 75601 (214)758-0402

LUFKIN

2012 North Timberland Lufkin Texas 75901 (409)634-5777

HUNTSVILLE 1790 Highway 19 Huntsville, Texas 77340 (409)295-5431 Kindle Stone & Associates, Inc. 911 N.W. Loop 281, Suite 107 P. O. Box 1552 Longview, Texas 75606-1552

Attention: Mr. Walter T. Winn, Jr., P.E. Vice President

Gentlemen:

SOCIETY MEMBERSHIPS

ASTM ACIL TCSEE ASPE AISPE ASFE ACI

In accordance with your request, we have conducted field and laboratory studies relative to the above closure plan. This letter presents the results of our studies.

RESULTS OF ANALYTICAL STUDIES

CLOSURE PLAN FOR WASTE SOLVENT COLLECTION SUMP

E & S MANUFACTURING DIVISION

SUMMIT OILFIELD CORPORATION

LONGVIEW, TEXAS

Field Investigation

On May 23, 1985, a 10-foot-deep boring was drilled alongside the absorption trench approximately 10 feet from the septic tank. The attached Exhibit A provides a complete description of the soil strata encountered in the boring together with information regarding drilling procedures, groundwater measurements, etc. A chain-of-custody form was established in the field for the preserved soil samples. The samples were then taken to our laboratory for further analysis.

Analytical Studies

The initial laboratory evaluation consisted of making a detailed visual classification of each soil strata according to the Unified Soil Classification System. The soil samples were split longitudinally.

Kindle Stone & Associates, Inc. Attention: Mr Walter T. Winn, Jr., P.E. Longview, Texas July 16, 1985 PAGE TWO

Fractions which represented the various soil types encountered in the boring were removed. These fractions were taken from the center of the boring throughout its entire length. Identical samples were prepared from these fractions. One set was frozen and placed in storage along with the remainder of the parent boring. The other sets of samples were analyzed according to Item No. 1 of the subject closure plan.

Each soil fraction exhibited a flashpoint; it was observed, however, that the flashpoint was significantly in excess of the $108^{\circ}F$ flashpoint of Exxon 627. Also the samples by definition did not exhibit the hazardous waste characteristics of ignitability $\frac{1}{2}$.

The second phase of testing was conducted with the use of EPA Method 5020 ½/. This analysis involves the use of a headspace injection into a gas chromatography system. Hydrocarbons were detected in samples 85-2951, 85-2952, 85-2953, and 85-2956. However, the chromatographs for these samples did not correspond to the Exxon 627 standard chromatograph, indicating the detected hydrocarbons were not the Exxon 627 solvent.

Results of the flashpoint tests and gas chromatographic screens are presented in the accompanying Exhibits B and C.

We appreciate the opportunity to be of service to you on this project. Please call us if there are any questions or if we may be of additional assistance.

Very truly yours,

EAST TEXAS TESTING LABORATORY, INC.

Fred K. Smith, Director

Analytical and Environmental Services

Gary G. LaFrance, P.E. Senior Vice President

FKS/GGL/tk

Enclosure

Test Methods for Evaluating Solid Waste Physical/ Chemical Methods SW-846, 2nd Edition, U.S. Environmental Protection Agency, 1982.

CLOSURE PLAN FOR WASTE SOLVENT COLLECTION SUMP E & S MANUFACTURING DIVISION SUMMIT OILFIELD CORPORATION LONGVIEW, TEXAS

LOG OF BORING B-1

	,*			
Depth Below Ground Surface (Ft)	Soil Description			
0.0 - 0.5	<pre>4" concrete slab underlain of oil sand/gravel (old pa surface).</pre>			
0.5 - 1.5	Light brown silty fine san stained in upper 3" with o odor; moist			
1.5 - 2.5	Brown sandy clay; moist	(CL)		
2.5 - 5.0	Tan, gray, and red sandy of clayey fine sand with a triron ore gravel; moist			
5.0 - 7.0	Tan, gray, and red sandy of with a trace of iron ore gomoist			
7.0 - 8.0	Tan, gray, and red clay; moist	(CH)		
8.0 - 9.0	Gray, dark gray, and rust- silty fine sand with weath iron ore fragments; dark of lenses have organic odor; moist	ered gray		
9.0 - 9.3	Gray and tan sandy clay; moist	(CL)		
9.3 - 9.7	Dark gray clay with fine sand pockets; moist	(CH)		
9.7 - 10.0	Dark brownish gray silty fine sand; moist	(SM)		

Bottom of boring at 10.0'

Notes

- 1. Boring B-l was drilled approximately 10 feet from the septic tank alongside the absorption trench. The boring was made on May 23, 1985.
- Continuous soil samples were obtained to a depth of 10 feet using a 3.0-inch-diameter Shelby tube sampler. The samples were sealed to prevent loss of moisture and labeled.
- 3. The depth to groundwater was measured at the completion of drilling to be 7.0 feet below the ground surface.
- 4. The completed borehole was grouted using a water-cement grout.
- 5. The letters in parentheses in the above soil descriptions refer to the Unified Soil Classification System symbols.



East Texas Testing Laboratory Inc.

GEOTECHNICAL . MATERIALS . ENVIRONMENTAL

ENGINEERS . CHEMISTS . CONSULTANTS

HOME OFFICE 1717 East Erwin Tyler, Texas 75702 Main Office (214) 585-4421 Analytical Lab (214) 585-6402

LONGVIEW 707 West Cotton Street Longuew Texas 75801 (214) 758-0402

ELIFKIN 2012 North Timberland Luftim Texas 75901 (409)634-6777

Date	
Job No	663-85
Report No.	

GENERAL TEST REPORT

Project: E & S Manufacturing Division, Summit Oilfield Corp., Longview, Texas

Client/Arch./Engr. Kindle Stone & Associates, Inc., Longview, Texas

Contractor

Type of Test

Flashpoint

Identification/Other Data Test Boring No. 1

	D		
Lab No. Gr	Depth Below ound Surface (F	Soil Description	Flashpoint
85-2951	0.5 - 1.5	Light brown silty fine sand; dark stained in upper 3" w/organic odor; moist (SM)	175 ^O F
85-2952	1.5 - 2.5	Brown sandy clay; moist (CL)	167 ^o f
85-2953	2.5 - 5.0	Tan, gray, and red sandy clay w/clayey fine sand w/iron ore gravel; moist (CL-SC)	182 ^o f
85-2954	5.0 - 7.0	Tan, gray, and red sandy clay w/iron ore gravel; moist (CL)	164 ^O F
85-2955	7.0 - 8.0	Tan, gray, and red clay; moist (CH)	179 ^O F
85-2956	8.0 - 9.0	Gray, rust-colored, and dark gray sand w/weathered iron ore fragments; dark gray lenses have organic odor; moist (SM)	175 ^O F
85-2957	9.0 - 9.3	Gray and tan sandy clay; moist (CL)	174 ^o f
85-2958	9.3 - 9.7	Dark gray clay w/fine sand pockets; moist (CH)	162 ^o F
85-2959	9.7 - 10.0	Dark brownish gray silty fine sand	165 ^O F



East Texas Testing Laboratory Inc.

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HOME OFFICE 1717 East Enem Tyler Tesas 75702 Main Office (214) 595-4421 Inalytical Lab (214) 595-6402 LONGVIEW 707 West Cotton Birest Longwew Texas 75601 (214) 758-0402

LUFKIN 2012 North Timberland Luftin Texas 75901 (409)634-5777

663-85	
· 	
	663-85

GENERAL TEST REPORT

Project: E & S Manufacturing Division, Summit Oilfield Corp., Longview, Texas Client/Arch./Engr. Kindle Stone & Associates, Inc., Longview, Texas Contractor

Type of Test Gas Chromatography Screen (GC Screen)

Identification/Other Data Test Boring No. 1

Lab No.	Depth Below Ground Surface (Ft)	Soil Description	GC Determination For Exxon 627
85-2951	0.5 - 1.5	Light brown silty fine sand; dark stained in upper 3" w/organic odor; moist (SM)	None Detected
85-2952	1.5 - 2.5	Brown sandy clay; moist (CL)	None Detected
85-2953	2.5 - 5.0	Tan, gray, and red sandy clay w/clayey fine sand w/iron ore gravel; moist (CL-SC)	None Detected
85-2954	5.0 - 7.0	Tan, gray, and red sandy clay w/iron ore gravel; moist (CL)	None Detected
85-2955	7.0 - 8.0	Tan, gray, and red clay; moist (CH)	None Detected
85-2956	8.0 - 9.0	Gray, rust-colored, and dark gray sand w/weathered iron ore fragments; dark gray lenses have organic odor; moist (SM)	None Detected
85-2957	9.0 - 9.3	Gray and tan sandy clay; moist (CL)	None Detected
85-2958	9.3 - 9.7	Dark gray clay w/fine sand pockets; moist (CH)	None Detected
85-2959	9.7 - 10.0	Dark brownish gray silty fine sand (SM)	None Detected

DANGEROUS PROPERTUES Of

INDUSTRIAL MATERIALS

Seventh Edition

N. Irving Sax Richard J. Lewis, Sr.

Dangerous Properties of Industrial Materials

Seventh Edition

Volume III

N. IRVING SAX and RICHARD J. LEWIS, SR.



SLS000 HR: 3

4,4'-STILBENEDICARBOXAMIDINE

CAS 122-06-5 NIOSH WJ 5250000

 $mf C_{16}H_{16}N_4$ mw 264 36

SYNS

DIAMIDINO STILBENE 4.4 DIAMIDINOSTILBENE

TOXICITY DATA CODEN

CNS

ıpr-rat LD50 43 mg/kg FEPRA7 1 167 42

THR Poison by intraperitoneal route. Human systemic effects by intravenous route, central nervous system effects. When heated to decomposition it emits toxic tumes of NO₃.

SLS500 HR: 3 **4.4'-STILBENEDICARBOXAMIDINE, DIHYDRO**

CHLORIDE

CAS 6935-63-3 NIOSH WJ 5340000

 $mf C_{16}H_{16}N_4 \cdot 2ClH$ mw 337 28

SYNS

4 4'-DIAMIDINOS TILBENE DIHY- 4 4'-VINY LENEDIBENZAMIDINE

DROCHLORIDE DIHYDROCHLORIDE

STILBAMIDINE DIHYDROCHLO-RIDE

TOXICITY DATA CODEN

pr-mus LD50 91 mg/kg ANTCAO 2 581 52

scu-mus LD50 180 mg/kg CLDND*

ivn-mus LD50 18900 μg/kg ANTCAO 2 581 52

THR Poison by intraperitoneal, subcutaneous and intravenous routes. When heated to decomposition it emits very toxic tumes of HCl and NO,

SLU000 HR: 3

STIMULEXIN

CAS 7081-53-0 NIOSH UY 5770000

 $mf C_{24}H_{30}N_2O_2 \cdot H_2O \cdot CIH$ mw 433 04

SYNS

AHR-619 1-ETHYL-4-(2 MORPHOLINO-DOPRAM ETHYL)-3 3-DIPHENYL-2-DOXAPRAM HYDROCHLORIDE PYRROLIDINONE HYDROCHLO-

HYDRATE RIDE HYDRATE

TOXICITY DATA CODEN

ipr-rat TDLo 3150 mg/kg (35D OYYAA2 8 1365 74 male) REP

ipr-rat TDLo 4859 mg/kg (26W OYYAA2 8 1381 74

pre) REP

ipr-mus TDLo 864 mg/kg OYYAA2 8 229,74

(7-12D preg) TER

 orl-rat LD50
 261 mg/kg
 TXAPA9
 18
 185
 71

 ipr-rat LD50
 174 mg/kg
 TXAPA9
 13
 242
 68

 scu-rat LD50
 312 mg/kg
 TXAPA9
 13
 242
 68

 Ivn-rat LD50 72 mg/kg
 TXAPA9 13 242.68

 orl-mus LD50 270 mg/kg
 TXAPA9 13,242 68

ipr-mus LD50 153 mg/kg TXAPA9 13.242 68

 scu-mus LD50
 312 mg/kg
 NIIRDN 6 504 82

 rvn-mus LD50
 85 mg/kg
 TXAPA9 13 242 68

 orl-dog LD50
 150 mg/kg
 27ZQAG - 225 72

 rvn-dog LDL0
 40 mg/kg
 TXAPA9 18 185 71

THR Poison by ingestion, intraperitoneal subcutaneous and intravenous routes. An experimental teratogen Experimental reproductive effects. Used as a respiratory stimulant When heated to decomposition it emits very toxic fumes of HCl and NO,

SLU500 HR: 3 STODDARD SOLVENT

STODDARD SOLVI

CAS 8052-41-3 NIOSH WJ 8925000

PROP Clear, colorless liquid Composed of 85% nonane and 15% trimethyl benzene Bp 220°-300° flash p 100-110°F, lel 1 1%, uel 6%, autoign temp 450°F d 1 0 Insol in water, misc with abs alc, benzene, ether chloroform, carbon tetrachloride, carbon disulfide, and some oils (not castor oil) Stoddard solvent to a first approximation contains 85% nonane and 15% trimethylbenzene

SYNS

NAPHTHA SAFETY SOLVENT WHITE SPIRITS

VARNOLINE

TOXICITY DATA CODEN

eye-hmn 470 ppm/15M TXAPA9 32 282 75 thl-cat LCLo 10 g/m³/2 5H TXAPA9 32 282 75

Reported in EPA TSCA Inventory

OSHA PEL TWA 500 ppm

ACGIH TLV TWA 100 ppm

NIOSH REL TWA 350 mg/m³ CL 1800 mg/m³/15M

THR Mildly toxic by inhalation A human eye irritant Flammable when exposed to heat or flame Explosive in the form of vapor when exposed to heat or flame When heated to decomposition it emits acrid fumes and may explode, can react with oxidizing materials. To fight fire, use toam, CO₂, dry chemical See also N-NONANE and TRIMETHYL BENZENE (MIXED ISOMERS)

SLV500 HR: 3

STRAMONIUM

CAS 8063-18-1 NIOSH WK 0900000

PROP Datura Stramonium have 0 25-0 45% alkaloids consisting of atropine, hyoscyamine and scopolamine

SYNS

ANGEL TULIP JIMSON WEED

DATURA STRAMONIUM

DEVIL S APPLE

DHUTRA

JAMESTOWN WEED

POMME EPINEUSE (FRENCH)

STECKAPFUL (GERMAN)

STRAMONA (ITALIAN)

THORN APPLE

TOXICITY DATA CODEN
orl-hmn LDLo 57 mg/kg POMDAS 28.364.60
orl-bwd LD50 202 mg/kg POMDAS 28 364.60



REGISTRY of TOXIC EFFECTS of CHEMICAL SUBSTANCES

1979 EDITION VOLUME TWO

Edited by

Richard J. Lewis, Sr. and Rodger L. Tatken

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Center for Disease Control
National Institute for Occupational Safety and Health
Cincinnati, Ohio 45226

September 1980

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402

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ASTRACTIC REGIST
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WK1985000 D-STREPTAMINE, 0-3-AMINO-3-DEOXY-aipha-D-GLUCOPYRANOSYL-(1-6)-
O-(2,6-DIAMINO-2,3,4,6- TETRADEOXY-aipha-D-ERYTHROHEXOPYRANOSYL-(1-4))-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       O-(2,6-DIAMINO-2,3,4,0- TETRALEUA 1-Uppa-2
2-DEDXY-
UPDT/7901
SYN, DIBERACIN 3 4 -DIDEOXYXAMANYCIN B * DKB

TXDS: un-rort LDS0:140 mg/kg

TXDS: un-rort LDS0:140 mg/kg

WKZ100000 STREPTAMINE, O-3-AMINO-3-DEOXY-dipho-D-GILCOPYRANOSYL-(1-4)-0-
(2,6-DIAMINO-2,3,6- TRIDEOXY-dipho-D-RIBOMEXOPYRANOSYL-(1-6)-2-DEOXY-, D-
DB::082AMYCIN was sociated from a fermemon of STREPTOMYCIS IEMBERRARIS (TALPAY 25:398-73)

UPDT/7909 CAS: 3788-58-4 MW, 467-60 MOLIM: (18-M37-M3-09)
SYN, GERRBUR * NEBRAMYCIN FACTOR 6 * N/ 6 * OSRAMYCIN * TOSRAMYCIN * TOSRA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | VN-mus LDS0 118 mg/kg | 12VXA5 9 1221,76 | SOU-pig LDS0 676 mg/kg | TXAPA9 25 398,73 | WK215000D D-STRETAMINE, 5-0-(2,3-0-(6-(1-AMINO-2-HYDROXYETHYL)TETRAHYDRO-3,4,5-TRIHYDROXY-2H-PYRAN-2- YLIDENE)-beto-D-TALOPYRANOSYL)-2-DEOXY-N(sup 3)-METHYL- LDS0,76 mg/kg | SOU-POT,760 mg/kg | 12VXA5 9 385,76 | LOSTOMYCH A DESTOMATE 20 | 12VXA5 9 385,76 | LOSTOMYCH A DESTOMATE 20 | 12VXA5 9 385,76 | LOSTOMYCH A DESTOMATE 20 | 12VXA5 9 385,76 | LOSTOMYCH A DESTOMATE 20 | LOSTOMATE 20 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       UPDT 7901

SYN. HYDROXYSTREPTOMYCN

TXDS: SCU-MUS LD50 865 mg/kg

WK228500D --STREPTAMINE, 0-3-DEOXY-4-C-METHYL-3-(METHYLAMINO)-beta-L-
ARABINOPYRANOSYL(1-6)-O-(2,6- DIAMINO-2,3,4,6-TETRADEOXY-alpha-D-
GLYCERO-HEX-4-ENOPYRANOSYL(1-4))-2-DEOXY-N(sup 1)-ETHYL-
UPDT:7900

CAS. 56391 56-1

TXDS: IVIN-hym 1DL0 52 mg/kg/7D-C TFX SYS

IVIN-ror LD50 66 mg/kg

SULMY-LD1D 75 mg/kg

WK2300000 STREPTAMINE, 0-(2,6-DIAMINO-2,6-DIDEOXY-alpha-D-GLUCOPYRANOSYL-(1-4)-0-(beta-D- RIBOFURANOSYL-(1-5))-2-DEOXY-y-Qlpha-D-GLUCOPYRANOSYL-(1-4)-0-(beta-D- RIBOFURANOSYL-(1-5))-2-DEOXY-, SULFATE
UPDT:7901

SYN. RIBORLAYINE SULFATE - SF 733 ANTIBIOK SULFATE - VISTAMYCN

TXDS: IVIN-ror LD50 3080 mg/kg

IVIN-ror LD50 396 mg/kg

IVIN-RIBORLAYINE SULFATE - SF 733 ANTIBIOK SULFATE - VISTAMYCN

TXDS: IVIN-ror LD50 396 mg/kg

IVIN-ror LD50 396 mg/kg

IVIN-RIBORLAYINE SULFATE - SF 733 ANTIBIOK SULFATE - VISTAMYCN

TXDS: IVIN-ror LD50 396 mg/kg

IVIN-ror LD50 396 mg/kg

IVIN-RIBORLAYINE SULFATE - SF 733 ANTIBIOK SULFATE - VISTAMYCN

TXDS: IVIN-ror LD50 396 mg/kg

IVIN-ror LD50 396 mg/kg

IVIN-RIBORLAYINE SULFATE - SF 733 ANTIBIOK SULFATE - VISTAMYCN

TXDS: IVIN-ror LD50 396 mg/kg

IVIN-ror LD50 396 mg/kg

IVIN-RIBORLAYINE SULFATE - SF 733 ANTIBIOK SULFATE - VISTAMYCN

TXDS: IVIN-ror LD50 396 mg/kg

IVIN-ror LD50 396 mg/kg
```

LOU GALOSY

City Council
TOM HAYES
G. A. McLAUGHLIN
JAMES E. JOHNSON
MARTHA WHITEHEAD
JOAN N. BERRY
JAMES W. HUNT

City Manager C. RAY JACKSON



P. O. Box 1952 Longview, Texas 75606-1952 (214) 237-1000

May 17, 1989

Ms. Brenda Nixon Cook
Ecology and Environment, Inc.
1509 Main Street
Dallas, Texas 75201

Dear Ms. Cook:

This is in reference to your letter dated May 9, 1989, regarding your field investigations of potential hazardous waste sites for the City of Longview.

As requested, enclosed are the maps identifying the following for the City:

- 1) Sources of public drinking water
- 2) Delineation of water supply boundaries
- 3) Location of surface water intakes
- 4) Total population served by the City of Longview public water supply is approximately 93,000

If you need additional information, do not hesitate to contact me.

Sincerely,

CITY OF LONGVIEW

Darrell W. Gunn, P.E. Director of Public Utilities

DWG:pw Enclosures/2



RECORD OF COMMUNICATION	(Record of Item Checked Below Phone Call Discussion Conference Other(Specify)	ow) Field Trip
TO: Dewayne Ham City of White Oak	From:	Date: 5/30/89
Superintendent of Water	Brenda Nixon Cook, FIT Chemist	Time: 8:55 am
SUBJECT: Water Supply f	or the City of White Oak	
SUMMARY OF COMMUNICATIO	N	
I called Mr. Ham to fin	d out where the City of White Oal	k receives their
public water supply. W	ater is brought from Big Sandy C	reek approximately
16 miles from White Oak	. White Oak district lines meet	Longview on the east,
and Clarksville on the	west and extend south to just no	rth of Longview
Country Club. The City	of White Oak supplies water to	4,500 people.
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CONCLUSIONS, ACTION TAK	EN OR REQUIRED	
	1. The state of th	
		
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E & S MANUFACTURING DIVISION

SUMMIT OILFIELD CORPORATION

506 W. Harrison Road Longview, Texas 75604. 214-759-2326 January 27, 1984

Texas Department of Water Resources P.O. Box 13087 Capitol Station Austin, Texas 78711

Attn: Solid Waste Section

Re: Registration #31458 EPA I.D. TXD-04-558-5882

Dear Sir:

Please be advised that we no longer use Safety Solvent in our operation. hazardous material has been replaced with a product called Penetone 722B and is manufactured by the Penetone Corporation.

Penetone 722B has been approved for our use by your Kilgore, Texas Office. This product is non toxic and biodegradeable and will be used as a degreaser.

Please amend our registration to reflect the discontinued use of Safety Solvent.

Yours truly,

Danny Elisan

Danny Ellison Vice-President

DE:pab

110130 . onsile fac C2 storage

177 6

RECORD OF COMMUNICATION	<u>x</u> Phone Call	Item Checked I Discussion Other(Speci	Fiel	d Trip	
TO: Darrel Gunn City of Longview	From:	Cook, FIT Chem	iet'	Date:	5/30/89
	brenda Nixon	ook, rii chem.	150	Time:	10:45 am
SUBJECT: City of Longvi	ew Water Supply		;		
SUMMARY OF COMMUNICATION	V	V			
I called Mr. Gunn to con	nfirm that the	residential are	ea just	southw	est
of Cherokee Road was no	t on municipal	water. He said	that	no resi	dents
outside of the city lim	its received mu	nicipal water.	He al	so said	that
surface water was suppl	led about 60/40	from Cherokee	Sabine	River.	
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CONCLUSIONS, ACTION TAKE	EN OR REQUIRED				
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				<u> </u>	
INFORMATION COPIES TO:					

QL 88 T49 REF 12



Texas Department of Water Resources INTEROFFICE MEMORANDUM

то :	S. W. Registration # 31458 File (Existing/New) PAP Application # 16 341	
FROM :	RCRA Forms Consolidation Team	
SUBJECT:	Company: E\$ 5 Machinery Site:	
	E \$ 5 MANUFACTURING SUMMIT OILFIELD CORPOR	ATI
Attached h	erewith please find the following document(s):	
_ <i>\\</i>	EPA 8700-12	
-	EPA 3510	
V	TDWR Part A	
	Other:	

Confidential material associated with these documents (M/IS NOT) being held in the solid waste section for review.

MAR 18 1982

×14-14. 2-13

CR/TDWR

HAZARDOUS WASTE ADMINISTRATIVE CHECK LIST

Active Corporation	Yes ()	No ()
Postage Fee Present	Yes (No ()
Signature Page (Original) Signed by Appropriate Person	Yes (V)	No ()
Signature Page Notarized	Yes (V)	No ()
Acceptable List of Landowners and Their Addresses	Yes ()	No ()
Acceptable Map of Landowner Locations	Yes ()	No ()
Mandatory Attachments Identified on Page 16	Yes ()	No ()
a. USGS Map	Yes ()	No ()
b. Site Legal Description	Yes (V)	No ()
c. Hazardous Waste Facility Component Summary Sheet	Yes (V)	No ()
d. Facility Boundaries and Adjacent Waters Map	Yes ()	No ()
e. Photographs	Yes (V)	No ()
f. Process Flow Diagram/Description	Yes (V)	No ()
g. Copy of Lease if Site is not W/A Owned by Applicant	Yes ()	No ()
Stogg		c# 10341
	Postage Fee Present Signature Page (Original) Signed by Appropriate Person Signature Page Notarized Acceptable List of Landowners and Their Addresses Acceptable Map of Landowner Locations Mandatory Attachments Identified on Page 16 a. USGS Map b. Site Legal Description c. Hazardous Waste Facility Component Summary Sheet d. Facility Boundaries and Adjacent Waters Map e. Photographs f. Process Flow Diagram/Description g. Copy of Lease if Site is not WA	Postage Fee Present Signature Page (Original) Signed by Appropriate Person Signature Page Notarized Acceptable List of Landowners and Their Addresses Acceptable Map of Landowner Locations Mandatory Attachments Identified on Page 16 a. USGS Map b. Site Legal Description C. Hazardous Waste Facility Component Summary Sheet d. Facility Boundaries and Adjacent Waters Map e. Photographs f. Process Flow Diagram/Description g. Copy of Lease if Site is not All Agrees Yes () Yes ()

NOTIFICATION OF HAZARDOUS WASTE ACTIVITY	INSTRUCTIONS: If you received a preprinted
INSTALLA- TION'S EPA I.D. NO. TXDU45585882 Dog, 31458	label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is
1. STALLATION	complete and correct, leave Items I, II, and III below blank, If you did not receive a preprinted
INSTALLA: 1903 ROBIN LAME	label, complete all items, "Installation" means a
II. MAILING THE THE THE THE TENTE TH	single site where hazardous waste is generated, treated, stored and/or disposed of, or a trans-
	porter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFI-
III OF INSTAL-	CATION before completing this form. The information requested hereins required by law (Section 3010 of the Resource Conservation and Recovery Act).
FOR OFFICIAL USE ONLY	Control of the Contro
O PARAMENTS	
INSTALLATION'S EPA I.D. NUMBER APPROVED (yr., mo., & day)	
FTX D04558588257	<i>.</i>
I NAME OF INSTALLATION	
II. INSTALLATION MAILING ADDRESS	SERVICE REPORTED THE FIRST
STREET OR into BOX	
3100 CRYSTAL	
	IP APOE
4LONGVIEW F TX7	5 6 9 4
III. LOCATION OF INSTALLATION	
STREET OR ROUTE NUMBER	
51903 ROBIN LANE	T
19 [16	P CODE C. L. D. C. C.
	8000623
15 16	560459
IV. INSTALLATION CONTACT	
NAME AND TITLE (last, first, & job title)	PHONE NO. (area code & no.)
ZELLISON DANNY VICE PRESIDENT	
V. OWNERSHIP	的一种 医克里特氏 医克里特氏病 医克里氏病 医克里特氏病 医克里氏病 医克里特氏病 医克里氏病 医克克克克克氏病 医克克克氏病 医克克克氏病 医克克克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克氏病 医克克克氏病 医克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克克氏病 医克克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克氏病 医克克克克克克克克克克
A. NAME OF INSTALLATION'S LEGAL OWNER	
8SOS ES HOLDING COMPANY	111111111111111111111111111111111111111
(enter the appropriate letter into box) VI. TYPE OF HAZARDOUS WASTE ACTIVITY	enter "X" in the appropriate box(es))
F - FEDERAL M XA. GENERATION 38	TRANSPORTATION (complete item VII)
M - NON-EEDERAL	, UNDERGROUND INJECTION
g 1 39 1 39	
VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate	
VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate	
VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate A. AIR B. RAIL C. HIGHWAY D. WATER E. OTHE VIII, FIRST OR SUBSEQUENT NOTIFICATION	box(es)) ER (apecify):
VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate	box(es)) RR (specify): aggregous waste activity of a subsequent notification.
VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate \$\begin{array}{cccccccccccccccccccccccccccccccccccc	box(es)) RR (specify): aggregous waste activity of a subsequent notification.
VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate A. AIR B. RAIL C. HIGHWAY D. WATER E. OTHE VIII. FIRST OR SUBSEQUENT NOTIFICATION Mark "X" in the appropriate box to indicate whether this is your installation's first notification of his if this is not your first notification, enter your installation's EPA I.D. Number in the space provided	azardous waste activity or a subsequent notification. below. C. INSTALLATION'S EPA I.D. NO.
VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate A. AIR B. RAIL C. HIGHWAY D. WATER B. OTHE VIII. FIRST OR SUBSEQUENT NOTIFICATION Mark "X" in the appropriate box to indicate whether this is your installation's first notification of his is not your first notification, enter your Installation's EPA I.D. Number in the space provided JUN 2 5 1950	azardous waste activity or a subsequent notification. below. C. INSTALLATION'S EPA I.D. NO.

TEXAS DEPARTMENT OF WATER RESOURCES

COUNTY STE	10341
COUNTY-DIST.	gress
HEAR MILE	क वह दे
ADM REVEW B	
COMPLETE	an official of
COPIES SENT:	(CHECK)
	(CHECK)
	1

PERMIT APPLICATION FOR

INDUSTRIAL SOLID WASTE STORAGE/PROCESSING/DISPOSAL FACILITY

PART A - FACILITY BACKGROUND INFORMATION

	_	CNICOAL	LNEODMA	TION
1	. 6	ENERAL	INFORMA	I I ON

Α.	Applicant:	(Individua	S MAC	on, or C	ERY () ther Legal En	tity Name)
	Address:	1003	RO BIN	(LA	NE	·
	city:	GUIEW	State: 7	X	Zip Code:_	75604
	Talanhona	Number	759- 77	76	(5,14)	. /

- B. Authorized Agents
 - I. List those persons or firms authorized to act for the applicant during the processing of the permit application. Also indicate the capacity in which each person may represent the applicant (engineering, legal, etc.). The person listed first will be the primary recipient of correspondence regarding this application. Include the complete mailing addresses and phone numbers.

THEO ELLISON - PRES.

DAN ELLISON VICE PRES.

2. List the individual and his/her mailing address that will be responsible for causing any necessary public notices to be published in the newspaper.

Name: DANNY OR THEO	ELLISON
Address: 100 CRYSTAL	
Address: 100 CRYSTAC City: Longiew State: TX Telephone Number: 759-2326 (5)	Zip Code: 7560 4
Telephone Number: 759-2326 (2	AUG 17 1980

PERMIT CONTROL'

Ci	ty:	State:	Zip Code:	
Te	lephon	e Number:		
		Identify the entity who applicant, state "same	o will conduct facility op as applicant."	erations
Name:		SAME AS	APPLICANT	· .
Addre	ss:			
City:		State:	Zip Code:	
Telep	hone N	lumber:		
Owner	ship	, ,		i Agentor
I. In	dicate	the ownership status (of the facility:	· **** · * ·
a.	Priv	ate		
	(2)	Corporation Partnership Proprietorship Non-profit organizatio	on	
	Publ	ic		
b.		Federal		
b.		Military State Regional County Municipal		
b.	(2) (3) (4) (5) (6)	Military State Regional County		

- a. Submit as an attachment a copy of the rese for use of said
- b. Identify the facility owner. If same as applicant in Part A above, state "same as applicant." If different from the applicant, please note that the owner is required to sign the application on page 5.

	Name:	SAME	AS ADPLICANT
	Address:		
	City:	State:	Zip Code:
	Telephone Num	ber:	
Ε.	Type of Permi	t Application:	
	I. New2. Amendment	(TDWR I	Permit Number: Takkin () - 200

- F. Registration and Permit Information:
 - 1. Denote your TDWR Solid Waste Registration Number of finone, state "none."
 - 2. Indicate (by listing the permit number(s) in the appropriate column below) all existing or pending State and/or Federal permits or construction approvals which pertain to pollution control or industrial solid waste management activities conducted by your plant or at your location. Complete each blank by entering the permit number, or the date of application, or "none".

Relevant Program and/or Law Government Permit No. Agency* Texas Solid Waste Disposal Act Wastewater disposal under the Texas b. Water Code Underground injection under the Texas Water Code d. Texas Clean Air Act Texas Uranimum Surface Mining & Reclamation Act Texas Surface Coal Mining & Reclamation Act Hazardous Waste Management program under the Resource Conservation and Recovery Act

11.			
i .	NPDES program under the Clean Water Act	•	
i •	PSD program under the Clean Air Act		
k.	Nonattainment program under the	, ,	
	Clean Air Act		
١.	National Emission Standards for		
	Hazardous Pollutants (NESHAPS) precon-		
•	struction approval under the Clean	15	Y
	Air Act	·	
m.	Ocean dumping permits under the Marine	. r*	
	Protection Research and Sanctuaries Act	•	
n.	Dredge or fill permits under section		
	404 of the Clean Water Act		
٥.	Other relevant environmental permits		

* Use the following acronyms for each agency as shown below:

TDWR = Texas Department of Water Resources

TACB = Texas Air Control Board

TRC = Texas Railroad Commission

TDH = Texas Department of Health

TDA = Texas Department of Agriculture

EPA = U. S. Environmental Protection Agency

CORPS = U. S. Army Corps of Engineers

G. Description of Business

1. Give a brief description of the nature of your business.

Manufacture Component parts for valves.

2. List the principal products and/or services which are provided by your plant. Please itemize by Standard Industrial Classification (SIC) codes.

Same as 1.

, <i>V</i> .P.
(Title)
, PRES.

Certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

Signature: Nam	my W Ellison	, Date: 8-13-80
Signature: The	Ellisin	, Date: 8-13-80
SUBSCRIBED AND SWORM	N to before me by the sa	id Danny W. Ellison and
Theo Ellison	on this 13th	day of August 1980 .
My commission expire	es on the 2nd	day of June 19 84 .

Mullim Manual Notary Public in and for

GREGG County, Texas

I. SITE BACKGROUND INFORMATION

Location of Site		-		
I. Facility Name:	the state of the s	<u>~</u> 5_	Machinery	-
Street Address, i	f available:	1003	Rober Lane	
Longview			Con	
July	, 		17	

2. Are your waste management operations within the extraterritorial jurisdiction of a municipality?

_____ Yes ____/ No

If you checked "yes," what municipality?

3. Give a verbal description of the location of the facility site with respect to known or easily identifiable landmarks.

Comer of Houson foods foliam fame.

4. Detail the access routes from the nearest U.S. or State Highway

From futerstate 20, Take They 42 exit.

From futerstate 20, Take They 42 exit.

Load Took to They 2206 East.

Co approx 3 miles to intersection of 2206 + Roberto

- 5. Submit as "Aftachment A" a United States Geological Syrvey (USGS), 7½ minute quadrangle map. Indicate on this map the location of the site and the land use patterns of the areas within ' mile (1.6 km) of the site boundaries (e.g., residential, commercial, recreational, agricultural, undeveloped, etc.). Each area of land use should be labeled on the map. (Note: if such a map is not available, submit a substitute map such as a State Department of Highways and Public Transportation county map with sufficient scale to adequately show the site location and surrounding land use patterns.
- of all adjacent parcels of land, and a list of the names and mailing addresses of all adjacent landowners and other nearby landowners who might consider themselves affected by the activities described by this application. Cross-reference this list to the map through the use of appropriate keying techniques. The map should be a USGS map, a city or county plat, or another map or drawing with a scale adequate enough to show the cross-referenced affected landowners.

indicate from what source(s) the names and addresses of persons **Fident**ified as affected were obtained.

	City County School District Water District Abstract Co. Other (specify)
	7. Enter the geographical coordinates of the site:
	Latitude: deg min sec SEE PLAT Longtitude: deg min sec
	Longtitude: deg min sec
	8. Is the facility located on Indian lands? Check one:
	Yes No
в.	Legal Description of Site
	Submit as "Attachment C" a legal description of the entire tract of land upon which the waste management operations referred to in this permit application occur or will occur.
c.	Site Environmental and Technical Information
	1. Climatic and Hydrologic
	a. Is any portion of your waste management facility site (including proposed, active, and inactive portions) subject to flooding from adjacent or nearby surface water bod a under the following conditions?
	24-hr Rainfall Event Yes No
	5-year 50-year

b. Are there any producing groundwater wells on your site property?

(I) Indicate the number of such wells:_____, and

Yes

if you checked "yes,"

	Cooling water Process water Fire-control water
	(b) Potable (drinking) water
. 184 <u>.</u>	(c) Agricultural uses: Irrigation water for livestock food crops or grazing land Livestock watering Irrigation water for human food crops
c.	Are any adjacent or nearby surface waters utilized by the applicant? Yes No
	If you checked "yes," indicate the corresponding water uses below:
	(I) Industrial uses: Cooling water Process water
	Fire-control water
	(2) Potable (drinking) water
	(3) Agricultural uses: Irrigation water for livestock food crops or grazing land Livestock watering Irrigation water for human food crops
2. Site	e Land Use and Subsidence Information
a.	Is any portion of the overall site property utilized for agricultural purposes? Yes No
	If you checked "yes," indicate the corresponding uses below:
	(1) Grazing (2) Livestock food crop (3) Human food crop If you checked no. (2) or (3), specify the types of crops grown.
b.	Is any portion of the overall site property subject to land subsidence? Yes No.

If you checked?!! yes?! estimate the magnitude of the greatest subsidence that has occurred (in units of feet).

III. WASTES AND WASTE MANAGEMENT

Yes

A. Waste Generation and Management Activities

Is any hazardous industrial solid waste (see Title 40, Code of Federal Regulations, Part 261) presently or proposed to be generated at your facility?

If you checked "no," go to Section III.B.2. below.

If you checked "yes," answer the following question.

1. Are/you presently registered with TDWR as a solid wasfe generator?

Yes No

If you checked "no," contact the Solid Waste Section of TDWR in Austin, Texas to obtain registration information. Also, continue with the application form (go to Number 2 below).

If you checked "yes," go to Section I of your Notice of Registration, determine which of your wastes are hazardous, and list these wastes (and mixtures) in Table III-I (see Number 2 below).

2. Complete Table III-I below, listing all hazardous wastes and all mixtures containing any hazardous waste which are presently or proposed to be generated at your facility. (see 40 CFR 261.31-33), attaching additional copies as necessary.

In this table, "TDWR Sequence Number" refers to the number in the left-hand column in Section I of your Notice of Registration (Note: if you are not registered with TDWR, enter "NA" for TDWR Sequence Number and TDWR Waste Code Number).

For the EPA Hazard Code and EPA Hazardous Waste Numbers, see 40 CFR 261.30-33. For annual quantity, provide the amount in units of pounds (as generated) for each waste and/or waste mixture.

Please group the listings of wastes by SIC code, insofar as your processes are designated by SIC codings. Also, within the general SIC code groups, give a brief description of the specific process or operation from which the waste has been generated.

- B. Waste Management Facilities Summary
 - I. For each waste and waste mixture listed in Table III-I that is presently or proposed to be managed on-site, provide the summary sheet shown in Table III-2 (Note: you must make copies of Table III-2 and submit the completed set of tables as "Attachment D").

Table III-I Generated Hazardous Wastes and Management Activities

Verbal Description	TDWR Sequence	TDWR Waste Code	EPA Hazard	EPA Hazardous	Off-Site		gement Activities pplicable items) On-Site		Annual Quantity Generated	SIC (Code Code Code Code Code Code Code Code
of Waste	Number	Number	Code	Waste No.	Disposal	Storage 1	Processing ²	Disposal	(lbs)	Process
MACHINE COOLANT		110470	•	÷			•	/	2400	
SAFETY SOCUENT					 -,					
PETROLEUM HYDROCARBO	N, FLA	SH [108	c)					~	120	
				•	.,		· · · · · · · · · · · · · · · · · · ·		-	
			· 							
					* 1 -					
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				in an an ik						
										
										
trial (1995) view (1995) Regulation and Special Conference (1995)	· —					12 7 1 1	The second se		Control of the Contro	

[&]quot;Storage" means the interim containment or control of waste after meneral ton and prior to untimate disposal,

[&]quot;Processing" means the extraction of materials, transfer, volume reduction, conversion to energy, or other separation and preparation of solid waste for reuse or disposal, including the treatment or neutralization of hazardous waste so as to render such waste nonhazardous, safer for transport, amenable for recovery, amenable for storage, or reduced volume. The "transfer" of solid waste for reuse or disposal as used above, does not include the actions of a carrier in conveying or transporting solid waste by truck, ship, pipeline, or other means.

Table: III-2 Hazardous Waste Management Facility Component Summary Sheet

Verbal Description of Waste	lachie Coolant . Safety Solvent
Process (see last column in Table III-I)	<u>, </u>
TDWR Sequence Number of Waste (if assigned)	
Indicate the facility components used for sto specified waste by entering the number of suc	
is managed.	
Lagoon/Pond (unlined)	Landfarm
Lagoon/Pond (lined)	Landspreading Area
Basin (earthen, above-grade lined)	Spray Irrigation Area
Basin (earthen, above-grade unlined)	Flood Irrigation Area
Basin (earthen, below-grade lined)	Septic Tank/Orain Fletd No Che
	A)
Basin (earthen, below-grade unlined)	Injection Well
Basin (concrete, above-grade lined)	Tank (surface storage)
Basin (concrete, above-grade unlined)	Tank (sub-surface storage)
Basin (concrete, below-grade lined)	Tank (surface processing)
Basin (concrete, below-grade unlined)	Tank (sub-surface processing) wification
Basin (other)	Tank (other) / received
Pit (lined)	Drum Storage Area (open)
Pit (unlined)	Drum Storage Area (enclosed)
Incinerator	Drum Storage Area (other)
Open Controlled Incineration Area	Bulk Storage Area (open)
-	
Boiler (energy-producing)	Bulk Storage Area (enclosed)
Landfill (sanitary)	Bulk Storage Area (other)
Landfill (surface, open)	Other (specify
Landfill (other)	

Has the applicant at any time conducted the on-site storage, processing, or disposal of industrial solid waste now identified cristed as hazardous waste?

If you checked "yes," complete Table III-3 indicating the hazardous industrial solid waste management facility components which were once utilized at your plant site but are no longer in service (i.e., inactive facility components).

If you checked "no," and if no hazardous industrial solid waste is presently or proposed to be generated or managed at your facility, then you need not file this permit application. Otherwise, proceed with application form.

For each facility component indicated in Table 11 2 (Attachment D) and Table 111-3, complete the following Table of Lacking additional copies as necessary. Enter the name of each facility component as specified in the earlier tables.

Give the design capacity of each facility component in any of the units shown. In the case of inactive facilities for which design details are unavailable, an estimate of the design capacity is sufficient.

Please note that each facility component should be described in your own words on the line provided for "verbal description."

Provide an estimate of the total weight (lbs) of hazardous industrial solid waste material that has been disposed of and/or

Stored within your site boundaries and not removed to another site.

Unable to Determine quanty. Waste is
removed every 3-4 months by warrum truck.

C. Location of Waste Management Facilities and Components

- 1. Submit as "Attachment E" a drawn-to-scale topographic map (or other map if a topographic map is unavailable) extending one · mile (and only one mile) beyond the property boundaries of the overall plant site, depicting the following:
 - The approximate boundaries of the site (described in Section II B) and within these boundaries, the location and boundaries of the areas occupied by each active, inactive, and proposed facility component (see Tables III-2 and III-3 for facility components). Each depicted area should be labeled to identify the facility component(s), component status (i.e., active, inactive, or proposed), and area size in acres.

And the second second

Table III- that the Bornechus Industrial Solld Waste Management Facility Components

Indicate the inactive facility components which were used for storage/processing/disposal of hazardous wastes or mixtures containing any hazardous waste by entering the number of such facility components in the space provided.

Lagoon/Pond (lined)	Landspreading Area
Basin (earthen, above-grade lined)	Spray terigation Area
Basin (earthen, above-grade unlined)	Flood Trilgation Area
Basin tearthen, below-grade lined)	Septic Tank/Orain Fjetd Certifications
Basin (earthen, below-grade unlined)	Injection Well - Received 1-13-86
Basin (concrete, above-grade lined)	Tank Isurface storages you
Basin (concrete, above-grade unlined)	Tank (LSub-Surface LStorage)
Basin (concrete, below-grade lined)	Tank (surface processing)
Basin (concrete, below-grade unlined)	Fank (sub-surface processing)
Basin (other)	Tank (ather)
Plf (lined)	Drum Storage Area (open)
Pit (untined)	Drum Storage Area (enclosed)
Incinerator	Drum Storage Area (other)
Open Controlled Incineration Area	Bulk Storage Area (open)
Boiler (energy-producing)	Bulk Storage Area (enclosed)
Landfill (sanifary)	Bulk Storage Area (other)
Landfill (surface, open)	Other (specify
Landfill (other)	
A SECTION OF SECTION AND ASSESSMENT	

Table | | | 4 Hazardous Waste Facility Components List

Facility Compone		Status	TACHME	esign Capaci	t y	Number of Years	Date in
Name	TDWR Seq. No:n	active Active Propose	d (cu yds)	(gal)	(lbs)	Utilized	Service
EPTIC TANK						>	
				500	01		Aug 1
Description:		iona Mulled	eld here	<u>s . Sel</u>	Som o	loes	
the fill to			<u> </u>	field	lines.		
closed,	certificati	one roccised	1-13-86	MPf			
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the overall facility and att surface intake and discharge

- All injection wells where liquids are injected underground;
- d. All known monitor wells and boreholes within the property boundaries of the overall plant site; and
- e. All wells, springs, other surface water bodies, and drinking water wells within the map area and the purpose for which each water well is used (e.g., domestic livestock, agricultural, industrial, etc.).
- Z Submit as "Attachment F" photographs which clearly delineate all hazardous waste facility structures and storage, processing, and disposal areas, as well as sites of future storage, processing, and disposal areas.

D. Flow Diagram/Description

Show as "Attachment G" process flow diagrams or step-by-step word descriptions of the process flow, depicting the handling collection, sforage, processing, and/or disposal of each of the hazardous wastes previously listed in this application.

The flow diagrams or descriptions should include the following intermation:

- Originating point of each waste and waste classification code;
- 2: Means of conveyance utilized in every step of the process flow;
- Name and function of each facility component through which the waste passes;
- 4. The ultimate disposition of all wastes (if off-site, specify "off-site") and waste residues.

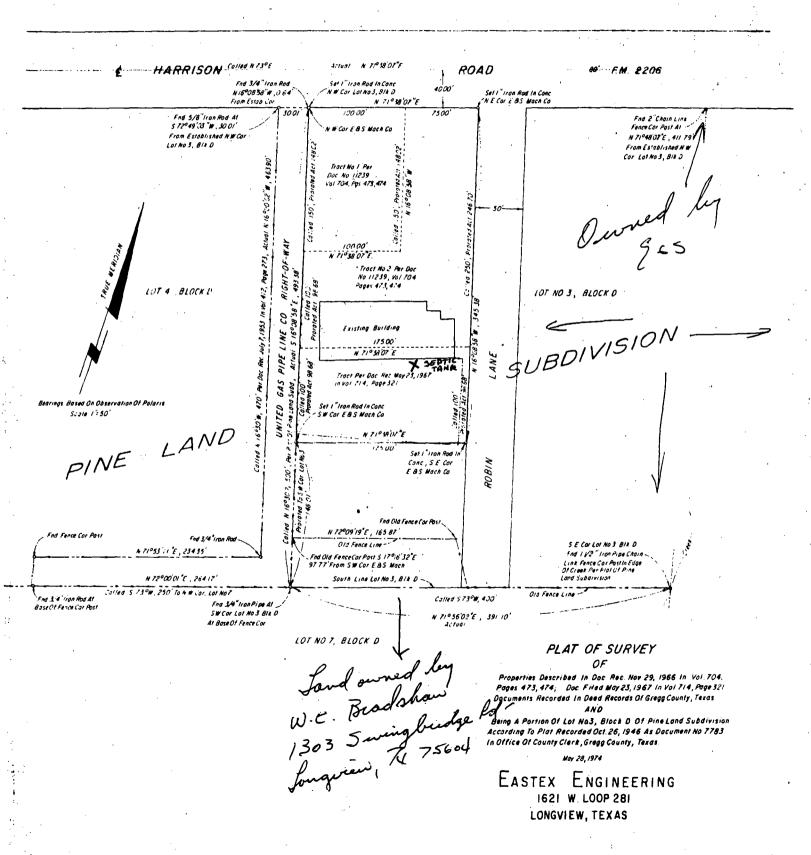
IV . THE E WE ELECTROPHENTS

List and index below all attachments to this application and indicate if included or not included:

i t em	Mandatory Attachments	Attachment	Included	Not Included
FLAS.	PISGS man			
	Affected landowners	3 8		· · · · · · · · · · · · · · · · · · ·
14.81	Site legal description	Ċ.	屋	
LIT.B. I.	Hazardous waste facility component summary sheets	0.		The state of the s
rif.c.i.	Facility boundaries and adjacent waters map			
	S Photographs			
til.b. 🧸 y	Process flow diagram/description			
	Other Attachments as Required			
1.0.2.a.	Lease			
111.A.2.	Additional generated waste list (Table III-I)			
FFF.B.3.	"Additional hazardous waste facility components list (Table III-4)			

The second secon

ATTACMENTE,



COMMECTED DESCRIPTION OF E & S MACHINERY CO. PROPERTIES, ALEXANDER FUGGER-SOM SUR., A-75, A PART OF LOT NO. 3, BLK. "D" OF PINE LAND SUBDIVISION AS SHOWN BY PLAT OF RECORD IN VOL. 302, PAGE 46, DEED RECORDS OF GREGG CO., TEXAS, BEING A PART OF COUNTY RECORD BLOCK 131 - 270:

Beginning at re-established NWC. Lot No. 3, Blk. "D", Pine Land Subdivision, a One inch Iron Rod set in concrete, forty (40) ft. from center of State Ferm-To-Market Road No. 2206 (Harrison Road), from which a 5/8 inch Iron Rod set on the West Line of UNITED GAS PIPE LINE CO. Right-Of-Way, bears S.72049*03**W. 30.01 ft. as shown on Plat attached hereto and made a part hereof; THENCE:

S.16°08'58"E. with and along existing fence line, at 148.02 ft. pass the SWC. of Tr. No. 1, and the West-NWC. of Tr. No. 2, referred to in Vol. 704, Pages 473-4, Deed Records of Gregg Co., Texas, continuing on at 246.70 ft. pass the SWC. of said Tr. 2, and the NWC. of Tr. referred to in Vol. 714, Page 321, Deed Records of Gregg Co., Texas, continuing on at a total distance of 345.38 ft. to the SWC. of Tr. referred to in Vol. 714, Page 321, a One inch Iron Rod set in concrete, from which the SWC. of Lot No. 3, Blk. "D", Pine Land Subdivision, marked by a 3/4 inch Iron Pipe found at the base of a fence corner post, bears S.16°08'58"E. 148.01 ft., as shown on Plat attached hereto and made a part hereof:

TRENCE:

N.71°38'07"E. 175.00 ft. to a One inch Iron Rod set in concrete, in the West Line of ROBIN LANE, the SEC. of Tr. referred to in Vol. 714, Page 321, Deed Records of Gregg Co., Texas, the SEC. of the properties herein described, and as shown on Plat attached hereto and made a part hereof;

THENCE:

N.16°08°58"W. with and along the West Line of ROBIN LANE, at 98.68 ft. pass the NEC. of Tr. referred to in Vol. 714, Page 321, and the SEC. of Tr. No. 2, referred to in Vol. 704, Pages 475-4, Dead Records of Gregg Co., Texas, continuing on a total distance of 345.38 ft. to a One inch Iron Rod set in concrete, in the West Line of ROBIN LANE, and in the Southeast Right-Of-Way Line of State Farm-To-Market Road No. 2206, the NEC. of the properties herein described, and as shown on Plat attached hereto and made a part hereof;

THENCE:

S.71°38'07"W. with and along the Southeast Right-Of-Way Line of State Farm-To-Market Road No. 2206 (Harrison Road), at 75.00 ft. pass the North NWC. of Tr. No. 2, referred to in Vol. 704, Pages 473-4, Deed Records of Gregg Co., Texas, and the NEC. of Tr. No. 1, referred to therein, continuing on a total distance of 175.00 ft. to the place of beginning.

I, Milard H. Hackney, Registered Public Surveyor, certify that the fore-going Field Notes were prepared by me, from data obtained by an actual survey made on the ground under my supervision.

Witness my Hand and Official Seal this 30th. day of May, 1974.

Milerd M. Hackney, Registered Public Surveyor No. 487

MILAND H. HACKBEY

ATTACHMENT G

SAFETY SOLVENT

- 1. Selvent purchased from Delta Selvent
- 2. Used in cleaning parts
- 3. Dispessed of in septic tank
- 4. Periodically waste is removed by contractor (3-4 month intervals)
 Offsite

MACHINE COOLANT

- 1. Machine ceelant purchased from Cettingham Bearing or Mebil
- 2. Used in machines cutting metal parts
- 3. Dispesed of in septic tank
- 4. Periodically removed by centracter with vacuum truck (3-4 menth intervals) Offsite

septie tank closed.

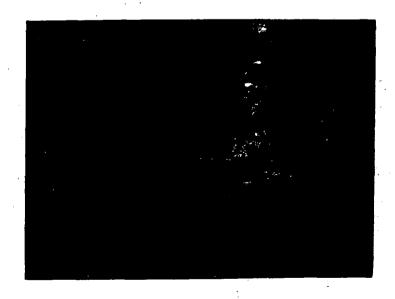
Detifications received 1-13-36

Red

+ 5 Machinery Co. 2# 10341

This is the liest ice Can do to these photos, and to protest ariginal Thank You,

Shank You, Copy Center



7.4: :: :X:

PES

Longview—(cont.)

- BOBO LUMBER CO. Hwy. 259, R.R. 9, Box 24 (75601-9521) Telephone—(214) 757-8624 Est. 1981 Owner-Perry Bobo Lumber processing (2451) Employs-12
- C & J WIRE ROPE CENTER 5 Roenig Rd., P.O. Box 6708 (75608-6708) Telephone—(214) 757-4684 Est. 1970; Distrib.—Local Owner-Jim Durham Wire rope slings (3496) Employs-4
- CAPACITY OF TEXAS INC. Div. of Collins Industries Div. of Collins Industries Loop 281 S.E. (75601) Mail addr: P.O. Box 7848, Longview (75607-7848) Telephone—(214) 757-4626 Texas—(800) 323-0135 FAX—(214) 757-6734 Est. 1974; Distrib.—Local Div. Pres.—Don Green V-P., Mktg.—Mel Kangas Yard trucks (3537) Employs-100 Parent co.-Collins Industries, Hutchinson, KS
- CASEY WELDING SERVICE, ARNOLD R. ANNOLD H.
 FM 2087 (75607)
 Mail addr. P.O. Box 7073,
 Longview (75607-7073)
 Telephone—(214) 753-3353
 Est. 1973; Distrib.—Local Pres.—Arnold Casey
 Welding job shop (3599) Employs-4 2,400 sq. ft.
- CATHODIC RECTIFIERS, INC. 802 Fisher Rd. (75608) Mail addr: P.O. Box 6216, Longview (75604-6216) Telephone—(214) 759-6813 Est. 1973; Distrib.—Regional Pres.—Charles McBride Custom rectifiers (3629) Employs-7

CENTURY CORRUGATED CONTAINER

100 King St. (75602) Telephone—(214) 236-3910 Distrib.—Regional Pres.—Jim O'Bryant Conugated boxes (2653) Employs—5

CHERCO COMPRESSORS, INC. 21 FRJ Dr. (75602-4703) Mail addr: P.O. Box 7516, Longview (75607-7516) Telephone—(214) 753-4488 FAX—(214) 753-4488 Est. 1954; Distrib.—International Pres.—Bob Wilder V-P., Sales—Mike Simpson V-P., Opers. & Mfg.—Dale Selman Air & gas compressors (3563) Employs—85 Exporter Computer—IBM PC-XT Basic

CITIES SERVICE CO. Tanneryville Rd., P.O. Box 5480 (75608)Telephone—(214) 759-9412 Distrib.—Local
GM—Ray Swearingen
Natural gas processing (2813)
Employs—35
Home office—Tulsa, OK

CLOUDS PLEEZ-ING SANDWICHES 1703 E. Whaley (75601-6833) Telephone—(214) 758-7011 Distrib.-Local Pres.-Dayton Beasley Packaged sandwiches (2099) Employs-15

COILS PLUS, INC. 1604 E. Whaley St. (75601-6830) Mail addr. P.O. Box 9685, Longview (75608-9685) Telephone—(214) 236-4403 National—(800) 821-7225 FAX—(214) 236-4463 Est. 1984; Distrib.—International Pres.—Jack Greer V-P.—Ron Stevenson GM-Mark Williams Plt. Mgr.—Steve Carter
Air conditioning components (3585)Employs-130 50,000 sq. ft. Exporter Computer-IBM Basic

COLLINS MACHINE SHOP Mail addr. P.O. Box 8439, Longview (75607-8439) Telephone—(214) 753-5411 Est. 1983; Distrib.—Regional Pres.-James Collins General machining job shop (3599) Employs-3

CONTINENTAL CAN CO.
Div. of Peter Kiewit & Sons, Inc.
901 Fisher Rd. (75604-4710)
Telephone—(214) 297-8528
FAX—(214) 297-8558 Est. 1966; Distrib.—Regional GM—Dave Pierce
Aluminum cans (3411) Employs-300 Parent co.-Peter Kiewit & Sons, Inc., Omaha, NE

CONTRACTORS SUPPLIES INC. 417 Calvin (75602-1005) Telephone—(214) 753-5766 Est. 1950; Distrib.—Local V-P.—Jim Martin Ready mix concrete (3273) Employs—35 Home office—Lufkin Pres.—Gene Samford

COOPER OPTICAL CO., INC. 306 W. Whaley (75601) Mail addr. P.O. Box 3228, Longview (75606-3228) Telephone—(214) 753-7606 Distrib.—Local Pres.—John Cooper Pit. Mgr.—Larry Smith Lense finishing (3851) Employs-14

CORNERBOARD OF TEXAS 436 E. Nelson (75601) Telephone—(214) 757-6756 Est. 1966; Distrib.—National Plt. Dir.—Karen Squires Industrial edge protectors (2631) Employs—23
Home office—Bridgeport, PA

D C G MACHINE, INC. R.R. 8, P.O. Box 142-A (75605-9491) Telephone—(214) 297-2053 Est. 1976; Distrib.—Regional Pres.—David Grotheim V-P.—Dean Grotheim
Off. Mgr.—Margaret Grotheim General machining job shop

(3599)Employs—12 Computer—IBM

D & C SPECIALTIES INC. 1410 FM 1845, P.O. 8170 (75607-8170) Telephone—(214) 757-0503 Est. 1979, Distrib.—Regional Pres.—S. M. Rabicolf Plastic face shields (3089) Employs-4

DARBY EQUIPMENT CO., INC. 3913 W. Marshall Ave. (75608) Mail addr. P.O. Box 5698, Longview (75608-5698) Telephone—(214) 759-4445 Est. 1943; Distrib.—Local Pres.—R. E. Darby V-P.—Wendell Harper Sales Mgr.—A. J. Pittinger Oil field equipment & trailers (3533) Employs—20 15,600 sq. ft.

DATACOM, INC. 1601 W. Cotton St. (75604-5524) Mail addr. Box 6828, Longview (75608-6828) Telephone—(214) 757-8102 Est. 1980; Distrib.—National Plt. Opers. Mgr.—Coleman Norman Pur. Mgr.—Jeana Brownlow Adding machine tape, file folders & filler paper (2679) Employs—150-80,000 sq. ft. Computer—IBM Home office—P.O. Box 990, Horsham, PA (19044) Pres.—H. Berliner

DAVIS CASEWORK MFG., INC. Rte. 7, Page Rd., P.O. Box 6112 _(75608-6112) (75608-6112)
Telephone—(214) 758-0468
Est. 1978; Distrib.—National
Chrm., Pres.—Preston Davis
GM, Pit. Mgr.—Wayne White
Cabinets, bookcases, plastic
laminations & architectural
millwork (2434)
Employs—8 Office—2 Plant—6
Annual Sales—\$600M
6.800 so ft 6,800 sq. ft. AKA: Longhorn Cabinet Works

DELMAR PLANT FOOD INC. 800 E. Cotton, P.O. Box 831 _(75606-0831) Telephone—(214) 758-3719 Est. 1914; Distrib.—Local Pres.—Jack Martin Fertilizer blending (2875) Employs-4

DIXIE PETRO CHEM INC Div. of Dixie Chemical Co. Hwy. 149 S. (75603) Mail addr: P.O. Box 8406, Mail addr. P.O. Box 8406, Longview (75607-8406) Telephone—(214) 643-7362 Texas—(800) 442-8227 National—(800) 333-4943 Distrib.—Regional V-P.—Bill Steil Opers. Mgr.—Gary Brandenburg Bleach processing (2842) Employs—26 17,500 sq. ft. Computer—IBM PC-XT Basic Parent co.—Dixie Chemical Co., Houston

To obtain this information on handy mailing lists or labels call (312)337-1084

E & S MFG. DIV. Div. of Summit Oilfield Corp. 506 W. Harrison Rd. (75601-7703) Telephone—(214) 759-2326 Est. 1965; Distrib.—National Pres., GM, Pers. Mgr.—Dan Ellison Sales, Adv. & Mktg. Mgr.-Tom Coker Ptr. Agt.—Rae Wilkinson Ptt. Mgr.—Dennis Hazard Industrial valves (3561) Employs—35 Office—5 Plant— 30 Annual Sales-\$3MM 30,000 sq. ft. Parent co.—Summit Oilfield Corp. 2850 Diamond Shamrock Tower, 717 N. Harwood, LB 98, Dailas (75201)Telephone—(214) 744-1575 CEO, Pres.—Don ingram CFO—Ron Wommack DBA: E & S Mfg.

EAST TEXAS AWNING & UPHOLSTERY CO. 526 Williams, P.O. Box 1534 (75606)Telephone—(214) 758-5031 Est. 1949; Distrib.—Regional Ptnr.—Dewitt Spinks Ptnr.-Evelyn Spinks Awnings & furniture upholstery (2394)Employs-6

EAST TEXAS CONTROLS, INC. Hwy. 2011, P.O. Box 8067 (75607-8067) Telephone—(214) 643-2228 National—(800) 321-6123 Est. 1981; Distrib.—International Pres.—James Barnes Opers. Mgr.—David R. Miller Electronic control panels (3625) Employs—14 5,000 sq. ft. Exporter Computer—IBM Pascal, C &

EAST TEXAS LITHO, INC. 2030 S. High (75602) Mail addr: P.O. Box 8422, Longview (75607-8422)
Telephone—(214) 758-0151
Est. 1974; Distrib.—Local
Pres.—Larry Wise Plt. Mgr.--Melvin Caffey Lithographic printing (2752) Employs—10 10,000 sq. ft. Computer—IBM

EAST TEXAS MACHINE WORKS,

AST TEXAS MACHINE WORI INC. 2808 W. Marshall (75604) Mail addr: P.O. Box 6558, Longview (75608-6558) Telephone—(214) 759-9796 FAX—(214) 759-6206 Est. 1973; Distrib.—Regional Pres.—Neil Swisher Prodn. Mgr.—Mike Sperier Sales Mgr.—Randy Swisher Pur. Agt.—C. L. Anstine Pur. Agt.—C. L. Anstine General machining & fabrication job shop (3599) Employs—25 23,000 sq. ft. Computer—Altos

EMPIRE PORTABLE BUILDINGS 1310 W. Marshall (75604-5111) Telephone—(214) 759-3231 Est. 1973; Distrib.—Regional GM—T. A. Kaster Pit. Opers. Mgr.--J. Turner

ļ		ENVIRONMENTAL PROTECTION AGENCY ION OF HAZARDOUS WASTE ACTIVITY INSTRUCTIONS: If you re aprinted
	INSTALLA- TION'S EPA	label, affix it in the space a / of the information on the label is incorrect, draw a line
1	1.D. NO TY 15593	It the appropriate section below it the label is
	1 STALLATION	complete and correct, leave Items I, II, and III below blank If you did not receive a preprinted below blank If you did not receive a preprinted
١	INSTALLA-	single site where hazardous waste is generated,
١	ADDRESS	treated, stored and/or disposed of, or a trans- porter's principal place of business. Please refer
1	4 - 1- 1- 10	to the INSTRUCTIONS FOR FILING NOTIFI- CATION before completing this form The
Į	LOCATION III OF INSTAL-	information requested herein required by law (Section 3010 of the Resout Conservation and
	LATION	Recovery Act).
¥ I	EOR OFFICIAL USE ONLY	
ETA	er	OMMENTS
₹	C	
١	INSTALLATION'S EPA I D NU	BER APPROVED DATE RECEIVED (yr, mo & day)
١	FTXD0455858	
-	I. NAME OF INSTALLATION	
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	II. INSTALLATION MAILING AD	
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	4LONGVIEW &	TX754604
	III. LOCATION OF INSTALLATION	
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į	15 16	40 41 42 51 59
	IV. INSTALLATION CONTACT NAME A	ND TITLE (last, first, & job title) PHONE NO (area code & no)
	ELLISON DAN	MY VICE FRESIDENT 214-759-2326
ļ	V. OWNERSHIP	49 46 49 50 52 55
⋖		A NAME OF INSTALLATION'S LEGAL OWNER
TACH	8 S O S ES HOLD	ING COMPANY 77
DE	B TYPE OF OWNERSHIP (enter the appropriate letter into box)	VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))
_	F = FEDERAL	Y A GENERATION
	M = NON-FEDERAL	C. TREAT/STORE/DISPOSE D UNDERGROUND INJECTION 50
		ON (transporters only – enter "X" in the appropriate box(es))
	A. AIR B RAIL	C HIGHWAY D WATER GE OTHER (specify)
	VIII. FIRST OR SUBSEQUENT No Mark "X" in the appropriate box to indi	cate whether this is your installation's first notification of hazardous waste activity or a subsequent notification
	If this is not your first notification, ente	r your Installation's EPA I.D. Number in the space provided below
	/	JUN 2 F. 1901 C INSTALLATION'S EPA I D NO
	A. FIRST NOTIFICATION	B SUBSEQUENT NOTIFICATION (complete item C) 22374556532
	IX. DESCRIPTION OF HAZARDO Please go to the reverse of this form and	

E&S Machinery Company

MAILING ADD. - 100 CRYSTAL • PLANT - 1003 ROBIN LANE LONGVIEW, TEXAS 75604 (214) 759-2326 (214) 759-3431

JUNE 24, 1980

TO WHOM IT MAY CONCERN:

We are a manufacturer of machine parts. We use soluble eil, cutting oil, and naphta in our operation, and we generate less than 1000 kilograms of hazardous waste per month. Ref. 261.5.

Please advise if other information is required.

Yours truly,

Danny Ellison

Dan Ellison DE:erw



ACKNOWLEDGEMENT OF NOTIFICATION OF HAZARDOUS WASTE ACTIVITY (VERIFICATION)

This is to acknowledge that you have filed a Notification of Hazardous Waste Activity for the installation located at the address shown in the box below to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). Your EPA Identification Number for that installation appears in the box below. The EPA Identification Number must be included on all shipping manifests for transporting hazardous wastes; on all Annual Reports that generators of hazardous waste, and owners and operators of hazardous waste treatment, storage and disposal facilities must file with EPA; on all applications for a Federal Hazardous Waste Permit; and other hazardous waste management reports and documents required under Subtitle C of RCRA.

EPA I.D. NUMBER

TXD-04-558-5882

E & S MACHINERY CO. INC. 100 CRYSTAL LONGVIEW, TEXAS 75604

INSTALLATION ADDRESS

1003 ROBIN LANE LONGVIEW, TEXAS 75604

EPA Form 8700-12B (4-80)

Louis A. Beechert, Jr., Chairman John H. Garrett, Vice Chairman George W. McCleskey Glen B. Roney W. O. Bakston Lonnie A. Bo" Pilgrim



Harvey Davis
Executive Director

February 26, 1982

TEXAS WATER COMMISSIO

Felix McDonald Chairman Dorsey B Hardeman Lee B. M Biggart

Mr. Dan Ellison, Vice President E and 8 Machinery 505 W. Harrison Road Longview, Texas 75604

Dear Mr. Ellison:

Mar Solid Waste Registration No. 31458

On February 24, 1982, Mary Woods of the District () (2) conducted an industrial would waste compliance mentrous. The province of your length of Plant: The inspection revules to the province of the Solvent was a least vite to the province of the Greggton of the Plant of Missouries of the Plant of the Province of the Plant of the Province of the Plant of the Province of the Plant o

The Texas Administrative Code, Section 335(1) states

(b) In accordance with the requirements of the Subsection (a), no generator, transporter, owner or operator of a facility, or any other person may cause, suffer allow, or permit its waste to be stored, processed, or disposed of at an amauthorized facility or in violation of a permit.

By mixing the two wastes, the small quantity generator exemption of 1000kg per month was exceeded. Unless you can demonstrate that the mixture meets the exemption specified by Section 335.61(c)(8), you would be regulated by Section 335.61(c)(9). There was no personnel training program or preparedness and prevention plan or contingency plan as required by Section 335.69 for generators who are not exempt as small quantity generators.

The deficiencies could be corrected by secting the criteria for a small quantity generator as required by Section 335.61(c) and by manifesting waste solvent as required by Section 335.10. A copy of the

MAR

HILLINK

Mr. Dan Ellison February 26, 1982 Page 2

complete sections of 335.2; 335.10; 335.61-76; 335.117; 335.131-137; 335.151-157 are enclosed. Also, as you requested, a copy of the inspection report is enclosed.

Please submit in writing within 10 days your plan and schedule for correction to the District 5 office it totated at 2807 Highway 42 North, Kilgore, Texas 75662. If you have any questions, please contact Mary Woods or me at the District office in Kilgore, at telephone number 214/984-0636.

sincerely,

Billy H Bryss

Billy H. Boggs

Supervisor, District 5

MW/bs Enclosures

ATTACHMENT 93



E & S MANUFACTURING DIVISION

SUMMIT OILFIELD CORPORATION

506 W Harrison Road Longview, Texas 75604 214-759-2326

November 18, 1982

DEC 2 1 1982

TEXAS DEPARTMENT OF WATER RESOURCES P.O. Box 13087
Capitol Station
Austin, Texas 78711

CRITDWR

Re: Solid Waste Registration No. 31458

ATTEN: Mr. Minor Brooks Hibbs

Dear Sir:

Thank you for your letter and Notice of Registration dated 11-12-82 in response to my letter of 9-28-82.

If you will review my letter of 9-28-82 (attached), it was my intent to have the oil-cooling reclassified to a class II waste, if possible. The reason being that according to Billy Boggs, Supervisor, District 5, the soluble oil, mixed with water, is a non-hazardous waste when kept separate from the spent solvent. See attached letter from Billy Boggs dated 2-26-82.

We presently use a mix of 20 parts water to one part soluble oil for use in machining valve parts. When mixture becomes unusable, it is drained from the machine and placed in our underground holding tank. When this tank is full, Reed's Septic Tank of White Oak, Texas pumps the tank out and disposes of the material at the city waste water treatment facility. Material could be stored in our tank for up to 3 months before pick up.

Our spent solvent, as I mentioned, is kept in drums and sold to Delta Chemical and Solvents as a boiler fuel.

Hopefully, by reclassifying the oil-cooling to a Class II waste it would eliminate the need for monthly reporting and issuance of shipping control tickets.

Mr. Hibbs, please consider this request and advise disposition as soon as possible.

Lang 110470 to 210470

Yours truly,

Alm Ellison

All



E & S MANUFACTURING DIVISION

SUMMIT OILFIELD CORPORATION

506 W. Harrison Road Longview, Texas 75604 214-759-2326

September 28, 1982

Texas Department of Water Resources P.O. Box 13087 Austin, Texas 78711

Attn: Minor Brooks Hibbs

Re: Solid Waste Registration #31458

Dear Mr. Hibbs.

This letter is to request change of classification for Class 1 Waste Code 110470 presently being generated at our plant.

The reason for classifying the oil-cooling as hazardous was because we were also dumping waste safety solvent (flash point 108°) into the waste oil-cooling. According to Billy Boggs, Supervisor, District 5, the oil-cooling which is a soluble oil, mixed with water, is not a hazardous waste. (Please see copy of letter from Billy Boggs dated February 26, 1982, attached.)

We no longer dump the waste safety solvent into the oil-cooling. This material will be sold to Delta Solvents & Chemicals, 610 Fisher Road, Longview, Texas, as a generator fuel. Delta Solvents & Chemicals will, in turn, sell this material to Ultra Oil, Rural Route, Clarksville, Texas, who uses the material in their generators and boilers.

I would also like to mention that we have installed an underground holding tank for our waste soluble oil. There are no field lines attached. This tank is emptied by Reed's Septic Tank, White Oak, Texas, and disposed of at the City Disposal Plant, FM 1845. Longview. Texas.

Mr. Hibbs, please review this request and do not hesitate to phone me if you have any questions.

Yours truly,

Danny Ellison Vice-President

DE: pab

cc: Billy H. Boggs





506 W. Harrison Road Longview, Texas 75604 214-759-2326

April 23, 1982

SW# 3458

TEXAS DEPT. OF WATER RESOURCES District 5 Office 2807 Highway 42 North Kilgore, Texas 75662

ATTEN: Mary Wood

Dear Mary:

Please find attached laboratory Test Report for our waste solvent.

Duplicate reports have been mailed to Material Recovery Resources in Dallas for appraisal and subsequent pick up.

Yours truly,

Dan Ellison

DE:erw

Attachment (1)

Den Ellisa

THUSIVE .

WATER RESOURCES DISTRICT 5

MAY 26 1982

CR/IUV...



East Texas Testing Laboratory Inc.

GEOTECHNICAL . MATERIALS . ENVIRONMENTAL

ENGINEERS . CHEMISTS . CONSULTANTS

HOME OFFICE 1717 East Erwin Tyler, Texas 75702 Main Office (214) 595-4421 Analytical Lab (214) 595-6402

April 20, 1982

LONGVIEW

707 West Cotton Street Longview, Texas 75801 (214) 758-0402

LUFKIN

2012 North Timberland Lufkin, Texas 75901 (713) 634-5777



SOCIETY MEMBERSHIPS

A.S.T.M. A.C.I.L. T.C.E.L. A.S.C.E. T.S.P.E. A.I.C.E. A.I.C.E. A.S.F.E. A.C.S. Don Ellison E & S Machinery Company 1003 Robin Lane Longview, Texas

Dear Mr. Ellison:

Submitted herein are the results of the analysis of your company's waste solvent. Also, enclosed for your reference is a copy of the EPA limits pertinent to this waste. The only problem found with this waste is that it does have the characteristics of ignitibility (EPA hazardous waste number DOO1).

If we can be of any further assistance, please do not hesitate to call us at (214) 595-6402.

Sincerely yours,

EAST TEXAS TESTING LABORATORY, INC.

R. L. Garrett Analytical Chemist

RLG: tw

Enclosure



Last fexas Testing Laboratory Inc.

GEOTECHNICAL . MATERIALS . ENVIRONMENTAL

ENGINEERS . CHEMISTS . CONSULTANTS

HOME OFFICE 1717 East Erwin Tyler, Tozas 75702 Main Office (214) 595-4421 Analytical Lab (214) 595-6402 LONGVIEW 707 West Cotton Street Longview, Texas 75601 (214) 756-0402 2012 North Timberland Lufata, Tessa 75901 (713) 634-5777 4-19-82

Job No. 272-82g

Report No. 4-1

GENERAL TEST REPORT

Project:

E & S Machinery Company, 1003 Robin Lane, Longview, Texas

75604

Client/Arch./Engr.

Contractor

P.O.# 004775

Type of Test

RCRA

Identification/Other Data Lab No. 802-82 (Waste Solvent)

PAGE 1 OF 2

Vapor Pressure @ 25°C (Note 1) Phase/Layers (Note 2) Physical state @ 20°C Soluability in grams/100 ml H ₂ 0 pH Density Odor Reactivity:	<pre>< 10 mm of Mercury Single Liquid Negligible 5.3 0.76 gm/cm³ Mild</pre>
(1) hydrophobic	no
(2) autopolymerizable	no
(3) shock sensitive	no ·
(4) pyrophoric	no
(5) thermolly sensitive	no
(6) Explosive	no
Waste Composition Liquid (petroleum hydrocarbons) Solid Residue Ignitibility: Flash Point (closed cup) Corrosive (pH 5.3) EP-TOXICITY:	> 99.5% < 0.5% 1080F no
Arsenic	0.002 mg/l
Barium	< 0.05 mg/1
Cadmium	< 0.05 mg/1
Chromium	0.13 mg/1
Lead	0.057 mg/1
Mercury	0.002 mg/1
Selenium	0.004 mg/1
Silver	< 0.10 mg/1
	C

Respectfully submitted:

INC 23

EAST TEXAS TESTING I ABORATORY, INC.

E & S Machinery Company 1003 Robin Lane Longview, Texas

NOTF 1: Vapor Pressure determined from material data sheet

NOTE 2: Solids measured to be <0.5% by volume.

XXX 23.82)

TEXAS DEPARTMENT OF WATER RESOURCES

1700 N. Congress Avenue Austin, Texas

IEXAS WATER DEVELOPMENT BOARD

Louis A. Beecherl, Jr., Chairman George W. McCleskey, Vice Chairman Glen E. Roney W. O. Bankston Lonnie A. "Bo" Pilgrim Louie Welch



Charles E. Nemir Executive Director

July 30, 1984

TEXAS WATER COMMISSION
Paul Hopkins, Chairman

Lee B. M. Biggart Ralph Roming

POH HARTMANN
PUM AUSTIN
SNOW

E & S Manufacturing Division Summit Oilfield Corporation 506 W. Harrison Road Longview, Texas 75604

Mr. Dan Ellison, President

Dear Mr. Ellison:

Re: Solid Waste Registration No. 31458

Hazardous Waste Permit Application No. 10341

This is in response to your Affidavit of Exclusion which was submitted for the purpose of withdrawing the subject hazardous waste permit application, and the telephone conversation of July 19, 1984 with George P. Hartmann of my staff. A review of your registration indicates that your facility no longer generates spent solvents, and therefore no hazardous wastes are stored, processed, or disposed on-site.

Please note that, unless the subject permit application was submitted as a "protective filing," withdrawal of the application requires that certain closure procedures be carried out. Therefore, we request that you submit a plan for closure of the 500-gallon underground tank which was used to store solvents prior to the use of drums to store the spent solvents. The plan should address the requirements of TAC Sections 335.211-335.216. This closure plan should describe the steps to be taken to remove all hazardous wastes and hazardous waste residues from the tank, associated piping and fittings. The plan should also provide information to demonstrate that there has been no leakage from the tank and to describe testing of the surrounding soil for contamination. This closure plan should also provide information concerning closure of the drum storage area which was used to store spent solvents, including a description of the steps to be taken to remove all hazardous wastes and hazardous waste residues.

Following your submittal of the closure plan, E & S Manufacturing will be required to publish a public notice providing information concerning the planned closure of hazardous waste management facility units.

It should be noted that upon completion of the closure, certification must be submitted by the owner or operator of the facility as well as by an independent Registered Professional Engineer that the hazardous waste management facility units have been closed in accordance with a closure plan approved by the Texas Department of Water Resources.



Furthermore, please note that in order to withdraw your application at a future date, the Department must receive an original signed and notarized Affidavit of Exclusion. For your convenience enclosed please find an affidavit of exclusion form.

We would appreciate your response to this request within 30 days or sooner, if possible. Should you have any questions regarding this matter, please contact George P. Hartmann of my staff at AC512/475-2041.

Sincerely,

Ray Henry Austin, Head Storage and Processing Facilities Unit Solid Waste Section

GPH:bb Enclosure cc: TDWR District 5 Office - Kilgore January 3, 1986

Mr. George P. Hartmann Texas Water Commission P.O. Box 13087 Capitol Station Austin, TX 78711

RE: Hazardous Waste Permit 10341 Solid Waste Registration 31458

Dear Mr. Hartmann:

Enclosed is a copy of the Closure Certification Report prepared by Kindle, Stone & Associates, Inc. for closure of a waste solvent collection sump for our facilities. This submittal is made in accordance with a letter from Mr. Charles E. Nemir, Executive Director of the Texas Department of Water Resources on May 16, 1985. This should conclude activities associated with the subject site.

If you have any comments or require any additional information, please do not hesitate to call.

Sincerely,

E&S MANUFACTURING DIVISION SUMMIT OILFIELD CORPORATION

Dan Ellison, President

1-13-86

CLOSURE CERTIFICATION REPORT WASTE SOLVENT COLLECTION SUMP E&S MANUFACTURING DIVISION SUMMIT OILFIELD CORPORATION

Introduction

E&S Manufacturing Division of Summit Oilfield Corporation is a machine shop specializing in manufacture of valve components for use in oilfield service. For three years prior to September 20, 1980, spent solvents and water soluble oil coolants were stored/disposed onsite in a 500-gallon concrete septic tank with approximately 50 feet of drainfield. A facility closure plan was prepared by Kindle, Stone & Associates, Inc. describing a procedure for a closure of the disposal area. The plan was approved by the Texas Department of Water Resources on May 16, 1985. The purpose of this report is to certify closure of the facility in accordance with the closure plan.

Closure Procedure

On May 23, 1985, a 10-foot deep soil boring was taken approximately 10 feet from the septic tank along the routing of the drainfield line. Laboratory testing of the soil indicated that a) wastes remaining are not considered hazardous according to the flashpoint determination and b) the solvent is no longer present in its original form. It was concluded that additional borings would not be needed and that it would not be necessary to list the site as a Class II industrial waste disposal site. A copy of the testing report is included as Attachment 1.

Closure of the facilities was completed on November 7, 1985. The procedure included the following steps.

- 1. All liquid currently in the tank was removed using a vacuum truck operated by Gibralter Chemical Resources, Inc.
- Detergent and biocide were added to the empty tank, then the tank was filled with clean water and agitated by hand mixing.
- 3. The tank was drained using the vacuum truck, and the procedure involving cleaning with detergent and clean water was repeated two more times.
- 4. A waste manifest was completed for the liquid that was removed and the liquid was hauled away for disposal in an injection well owned by Gibralter Chemical Resources, Inc.
- 5. The tank was filled with select clayey sand material and the opening on the tank was capped with concrete which was mixed on site.

A copy of the waste transportation manifest and Gibraltor shipping ticket is included as Attachment 2.

1-6-86

Closure witnessed and certified by:

KINDLE, STONE & ASSOCIATES, INC.

Walter T. Winn, Jr. P.E.

Vice-President

WALTER T. WINE, JR.
41279
GLATE.
JOHAL

Paul Hopkins, Chairman
Ralph Roming, Commissioner
John O. Houchins, Commissioner

Larry R. Soward, Executive Director

Mary Ann Hefner, Chief Clerk

James K. Rourke, Jr., General Counsel

February 28, 1986

Mr. Danny Ellison President E & S Manufacturing Division Summit Oilfield Corporation 506 W. Harrison Road Longview, Texas 75604

AUSTIN
OK 1-255
CHARLEY
CASMILEY

Dear Mr. Ellison:

Re: E & S Manufacturing Division
Summit Oilfield Corp. - Application No. 10341
Registration No. 31458 - Longview, Texas Site

We have reviewed Part A - Facility Background Information for the abovereferenced site and also the Affidavit of Exclusion which was recently submitted for the purpose of withdrawing the hazardous waste permit application from further consideration in accordance with the exclusion claimed.

Based on our review of Part A and the Affidavit of Exclusion, the application for a hazardous waste permit has been withdrawn. We are retaining certain portions of the Part A for incorporation into your solid waste registration file.

If I may be of further assistance, please do not hestitate to contact Ray H. Austin at AC512/463-8185.

Sincerely,

Minor Brooks Hibbs, Chief Permits Section Hazardous and Solid Waste Division

RHA:bb

cc: TWC District 5 Office - Kilgore
TXD 045585882



Danny W. Ellison President

June 16, 1986

Texas Water Commission District 5 2807 Highway 42 North Kilgore, Texas 75662

Attn: John W. Witherspoon

District 5 Manager

e: Solid Waste Registration No. 31458

Dear Mr. Witherspoon:

In response to your letter of May 28, 1986, please be advised:

- 1. We are having a lab test performed on our fork truck oil and will advise you of the results when we receive this information.
- 2. See attached Copy of Registration indicating we are adding forklift oils, and contaminated dry sorb as well as spent solvents to our registration. Please advise steps to have these added to original.
- 3. Please see attached Copy of Registration adding these items.
- 4. Proof of deed for closed septic tank facility will be provided.
- 5. Annual Waste Report for spent solvents from Safety Kleen will be provided and is attached.
- Corrective action will be taken.

In regard to paragraph regarding underground storage tank, the tank was monitored (gaged) and we found the level to be the same over a two day period.

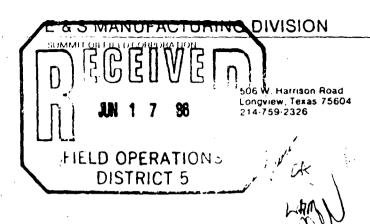
If additional information is desired, please advise.

Yours truly,

Dan Ellison President

DE:pab

Attachments



TMENT AND FIELD OFFICE

The Market

Mr. Dan Ellison May 28, 1986 Page 2

Please respond to this office in writing by June 17, 1986 with your plans and implementation schedule which will ensure corrective action of the deficiencies by July 1, 1986. If compliance is not attained by July 1, 1986, this matter will be referred to our Central Office in Austin for further action. If you have any questions, contact Kevin Phillips or me at 214/984-0636.

Sincerely,

John W. Witherspoon District 5 Manager

KP/bs

INSTRUCTIONS FOR COMPLETING THE ANNUAL WASTER UMMARY

Paul Hopkins, Chairman
Ralph Roming, Commissioner
John O. Houchins, Commissioner



May 28, 1986

Larry R. Soward, Executive Director Mary Ann Hefner, Chief Clerk James K. Rourke, Jr., General Counsel

JUL 1 3 386

Mr. Dan Ellison, President E & S Manufacturing Division 506 West Harrison Rd. Longview, Texas 75604

Re: Solid Waste Registration No. 31458 - E & S Manufacturing Division

Dear Mr. Ellison:

On April 28, 1986, Kevin Phillips of our office conducted an industrial solid waste inspection of your hazardous waste management program and facilities. During the inspection, the following deficiencies were noted regarding the Code of Federal Regulations (CFR) Title 40, Part 265, and the State Industrial Solid Waste Regulations as set forth in the Texas Administrative Code (TAC), Chapter 336:

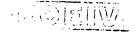
- 1. A hazardous waste determination has not been made on oil contaminated dry sorb and waste forklift oils as required by TAC 336.62.
- 2. Oil contaminated dry sorb, waste forklift oils, and spent solvents have not been identified on the registration as required by TAC 336.6 (b).
- 3. Storage and disposal of the following waste are not shown on the registration:
 - a. Metal scrap
 - b. Plant refuse
 - c. Alkaline cleaning solution

TAC 336.6 (a).

- d. Oil contaminated dry sorb
- e. Waste forklift oils
- f. Spent solvents
- 4. Proof of deed recordation should be provided for the closed septic tank/ drainfield facility as required by TAC 336.5.
- 5. An annual waste report should be submitted for the generated spent solvents (Safety Kleen) as required by TAC 336.9.
- 6. Steel 55 gallon barrels holding copper shavings should not let rain water wash through the shavings and onto the ground. These discharges are in violation of TAC 336.4.

During this inspection it was noted that 2" PVC piping is connected to the 4,000 gallon, steel, waste oil underground storage tank. Since the exact construction plans were not available, we recommend that the tank be monitored to see if any leaking is occurring.





JJ 181988

Texas Water Commission

INTEROFFICE MEMORANDUM

AND FILLD OPERATION

TO

Luis Campos, Hazardous & Solid Waste Coordinator, DATE: July 15, 1986

Field Operations Division

THRU

FROM Kevin Phillips, District-

SUBJECT:

E-&-S Manufacturing Division, Longview, Tx. Registration No. 31458

E & S Manufacturing Division (E&S) was inspected on April 28, 1986. During this inspection, six Class II violations were addressed. A letter of corrective action was received from E&S on June 17, 1986 (copy attached), indicating compliance. No follow-up inspections are expected at this time.

Kevin Phillips

John W. Witherspoon, Manager

Attachments

11. SHIPPING/REPORTING: NOT APPLICABLE

III. ON-SITE WASTE MANAGEMENT FACILITIES:

FAC NO	• FACILITY	STATUS
	SEPTIC TANK/ORAIN FIELD STORAGE OF WASTE NUMBER(S) 001, 004	CLOSED
NCE) 02	TANK (SUB-SURFACE) STORAGE OF WASTE NUMBER(S) DD1	ACTIVE
ADD:		•
03	METAL BIN - FOR DISPOSAL OF WASTE 002 (TEXAS SCRAF	P & METAL)
04	METAL BIN - FOR DISPOSAL OF WASTE 003 & 007 (SOUTH	WEST DISPOSAL)
n - 05	5 GALLON METAL CONTAINER - WASTE 006	
, y . ; . 06 .	DISPOSED OF BY SAFETY KLEEN CORPORATION	

UNLESS OTHERWISE STATED ABOVE, FACILITIES ARE LOCATED AT 506 W. HARRISON RD, LONGVIEW, TX COUNTY OF GREGG

IV. RECORDS: NOT APPLICABLE

is interaction

TEXAS WATER COMMISSION NOTICE OF REGISTRATION INDUSTRIAL SOLID WASTE GENERATION/DISPOSAL

THIS IS NOT A PERMIT AND DOES NOT CONSTITUTE AUTHORIZATION OF ANY WASTE MANAGEMENT ACTIVITIES OR FACILITIES LISTED BELOW. REQUIREMENTS FOR SOLID WASTE MANAGEMENT ARE PROVIDED BY TEXAS ADMINISTRATIVE CODE SECTION 335 OF THE RULES OF THE TEXAS WATER COMMISSION (TWC). CHANGES OR ADDITIONS TO WASTE MANAGEMENT METHODS REFERRED TO IN THIS NOTICE REQUIRE WRITTEN NOTIFICATION TO THE TWC.

DATE OF NOTICE: D2-28-86

REGISTRATION DATE: 04-27-79

1

REGISTRATION NUMBER: 31458

EPA 1.D. NUMBER: TXD045585882

THE REGISTRATION NUMBER PROVIDES ACCESS TO STORED INFOR-MATION PERTAINING TO YOUR OPERATION. PLEASE REFER TO THAT NUMBER IN ANY CORRESPONDENCE.

COMPANY NAME: E & S MANUFACTURING DIVISION MAILING ADDRESS: SUMMIT OILFIELD CORPORATION 506 W. HARRISON ROAD

LONGVIEW. TEXAS

75604

BENERATING SITE LOCATION:

506 W. HARRISON RD. LONGVIEW. TX

CONTACT PERSON: DAN ELLISON

PHONE: (214) 759-2326

NUMBER OF EMPLOYEES: LESS THAN 100

THE DISTRICT: 05

REGISTRATION STATUS: ACTIVE REGISTRATION TYPE: GENERATOR HAZARDOUS WASTE STATUS: TSD FACILITY



SPENT SOLVENTS

08

NUMBE	•	CLASS	CODE	DISPOSITION
DO1	OIL. COOLING	ĬĬ	210470	ON-SITE/OFF-SITE
002	METAL SCRAP	III	370350	OFF-SITE
003	PLANT REFUSE, GENERAL MISC.	II	279760	OFF-SITE
J04	SOLVENTS. SPENT	IH	910100	NO LONGER GENERATED
	EPA HAZARDOUS WASTE NOS. DESCRIPTIONS): DOUT	IREFER T	0 40 CFR	PART 261 FOR
	ALKALINE CLEANING SOLUTION	I	103960	SOLD FOR RECOVERY
0 06	FORK LIFT OILS	·		
007	OIL CONTAMINATED DRY SORB			

TEXAS DEPARTMENT OF WATER RESOURCES SHIPPING CONTROL & EFFLUENT REPORTS UNIT ENFORCEMENT AND FIELD OPERATIONS P.O. BOX 13087, CAPITOL STATION AUSTIN, TEXAS 78711



d that based on my inquiry of those individuals immed

TSD Facility/GENERATOR'S NAME: LONGJIEW TX BUSINESS ADDRESS: _506 PART I: ON-SITE RECORDS TO BE COMPLETED BY GENERATORS OF TOWN CLASS I & II WASTE AND CLASS II WASTE OFF-SITE QUANTITY GENERATED FACILITY 7** QUANTITY HANDLED TEXAS WASTE COMMENTS MANDLING REGOS 12 13 14 16 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 3 39 40 41 4243 44 45 48 47 48 49 50 81 52 *Enter one number: (1) Tons, (2) Gallons, (3) Cubic Yards, (4) Drums (55 cal.) "Only applicable for Class I Wastes PART II: COST ESTIMATES TO BE COMPLETED BY OWNER/OPERATOR OF HAZARDOUS WASTE MANAGEMENT FACILITIES A. Cost estimate for facility closure B. Cost Estimate for post closure monitoring and maintenance. (Disposal facilities only). 102

To be completed ANNUALLY by the Treatment, Storage and Disposal (TSD) facility owner/operator and generators of Class 1 & 11 Industrial Waste and submitted to the TDWR by the 21st of each Janu

the prior year. The report is also to include information on the off-site disposal of Class II Wastes. (See the reverse side for instructions.)

lify under penalty of law that I have personally exemined and am familiar with the information submitted in this and all attached do

aining the information, I believe that the submitted information is true, accurate, and complete.



Ga

2 ... 35

QUANTITY 5	5 1 700	1			
HANDLED	FACILITY KAROLINI COMPONENT KAROLINI COME	•	COMMENTS		~
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		Change Machines - la	olid dean Speet this	1 ten The 54	vice a disse
		to the All Burdo			
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ally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible submitted information is true, accurate, and complete.

TWC Reg. NoREF 23 Solid Waste Comp. iance Monitoring Inspection Report C.O. Use Only TWC Dist. 5
TWC DISC. 3
EPA ID No. TXD 045585882 COMMERCIAL WASTE Facility GOVT. Facility
NAME OF COMPANY Exs Manufacturing Division
MAILING ADDRESS 506 W. Harrison Kd. Langula 7x 75604 Tel. 214.759-2326
SITE LOCATION Same as a source. Tel.
COUNTY Grees TYPE OF INDUSTRY Value manufacturer
GENERATOR CLASSIFICATION: Industrial Municipal
Part A Application submitted to the State? Affidavit of Exclusion submitted to the State? Was a written exclusion granted by TWC? Will this facility require a permit? Yes / No / To EPA? Yes No / If yes, Date 2-28-76 Yes / No / Yes / No / If yes, Date 2-28-76
CURRENT WASTE MANAGEMENT (Haz"H", Class I NonHaz"NH", Class II-"II", Class III-"III")
Generator WH, H, II Treatment Storage WH, II Disposal Transporter
HW Exemptions (check): 90-Day Storage Other
*SQG /: Total HW Generation Per Month: <100 kg. / 100-1000 kg.
H W Facilities (circle appropriate codes): C T SI WP LT LF I TT TR WDW 0
N H Facilities (circle appropriate codes): Ĉ T SI WP LT LF I TT TR WDW 0
Anomalies in the above information will be addressed by: (a) Enforcement in progress, (b) Central Office, (c) District Office, (d) Owner/Operator
Type of Inspection (circle): EV EB EC CL GW SA CD FO OT FE SQ SW
Inspector's Name and Title Kevin Philips FGS II
Inspection Participants Dan Ellison Problet Longwird Brook, Ets.
Date(s) of Inspection 42586
Approved: John W. Witherson Signed: Jun 11th 5-28-54 District Manager Date

^{*} SQG- Small quantity generator, <1000 kg. of hazardous waste per month.

TEXAS WATER COMMISSION Solid Waste Inspection Report CONTENTS SHEET

COMPANY NZ	AMP. Et S Manufacturing Division
1.	Code Sheet (MR14)
<u></u>	Inspection Cover Sheet
3.	Special Inspection Cover Sheet (HB.2358)
<u>4.</u>	Generators Checklist
5.	Small Quantity Generator Checklist
6	General Facilities Checklist
*7.	Component Facility Checklists
	A. Containers (C) B. Tanks (T) C. Surface Impoundments (SI) D. Waste Piles (WP) E. Land Treatment (LT) F. Landfills (LF) G. Incinerators (I) H. Thermal Treatment (TT) I. Chemical, Physical, or Biological Treatment (TR) J. Other (O)
8.	Closure and Post-Closure ChecklistClosure-In-Progress Checklist
9.	Groundwater Monitoring Checklist
10.	Notice of Violation (NOV) Letter
11.	Interoffice Memorandum (IOM)
12.	Registration
13.	Maps, Plans, Sketches
14.	Photographs/Slides
15.	Other (describe)
* If a req	uired Checklist is omitted, explain:
	•

GENERATORS CHECKLIST

Sec	tion A - Notification and Waste Determination (335.6, .62, .63)
1.	Has generator completed an appropriate hazardous waste determination for each solid waste produced? YES NO /
2.	Check the method used for determination:
	a. Listed as a hazardous waste in 40 CFR Part 261, Subpart D. b. Process or materials knowledge. c. Tested for characteristics as identified in 40 CFR Part 261, Subpart C (If equivalent test method is used, attach a copy).
noti	E: If a hazardous determination has not been made or appears to be incorrect, the inspector should obtain a sample of the waste for analysis and explain in comments.
3.	Has the facility received an EPA ID number? N/A YES NO
4.	Is notification of waste streams generated correct? YESNO/
5.	Do all waste management (TSD) methods in use agree with Registration? YES NO
7.	Does this facility generate used oils ? If yes, describe storage and disposition:
Wast	a City enersted is Fisk 5.1 and Mubilmet 235 which is water soluble and is mixed 16 parts of or 1 to
<i>y</i> • • • • • • • • • • • • • • • • • • •	90 parts of M20. Stored in underground tank (facility 02). Reed Septic Tall Services transports tank (2) wast
8.	Does this facility generate spent solvents ? If yes, describe storage and disposition: YES NO
	Safety Kleen of Languiew, TX: supplier and disposer of solvents. (Registration # 67028).
9.	Does this facility utilize sumps in the management of hazardous waste? If yes, describe use:

^{***} An entry in this column indicates corrective action/response is needed

Sec	ction B - Special Conditions (335.75)			***
1.	If generator has received from or transported to a foreign entity any hazardous waste, has the appropriate notice been filed with the EPA Regional Administrator?	N/A	YES	NO
2.	Was the waste manifested and signed by the foreign consignee?	N/A J	YES	NO
3.	Has confirmation of waste transport out of the country been received by the generator?	N/A	YES	NO
Sec	ction C - Recordkeeping and Reporting (335.9, .10, .13, .70-71)		,	
1.	Does the generator maintain the following records and reports (if applicable) for the necessary three years?			
	a. Shipping Manifests (Sec Comment) b. Monthly off-site shipment summaries c. Monthly on-site land disposal summaries d. Monthly waste receipt summaries e. Tests and analyses (Sec (omment) f. Annual reports	N/A N/A N/A N/A N/A N/A	YES	NO NO NO NO NO NO
2.	Has generator submitted exception reports to TWC for any original (white) copies of manifests <u>not</u> received back?	N/A	YES	NO
3.	Have any spills, unauthorized discharges or threats of such discharges occurred?	YES	NO	
	If yes, have they been reported?(335.4, .453)	N/A	YES	NO
	Have they been remedied?(335.453) Explain.	N/A	YES	NO
	+++ IF GENERATOR DISPOSES OF WASTES ON-SITE ONLY, WRITE N/A	IN SEC	rion D+	++
Sec	tion D - Pretransport and Manifest Requirements (335.61-68)			
1.	Identify primary off-site disposal facilities:			
	Waster associated with the closure of facility (OI) were manifeste	d to	1.9 m/-	<u></u>
	chemical resources (TXD 000742304).			
2.	Are off-site disposal facilities permitted or operating under interim status standards?	N/A	YES	NO
٦.	Are TWC manifests properly completed?	N/A	YES	NO
<i>λ</i> /	++++ STOP & SIGN HERE IF FACILITY QUALIFIES AS A SMALL QUANTIT	y genera	ATOR +	+++ 14

Section P - (Continued)

4. Do containers used to hold waste(s) meet DOT packaging requirements (49 CFR Parts 173, 178, 179) before being offered for transport (if circumstances observed)?

/N/A / YES NO

Does generator label and mark each package in accordance with 49 CER Part 172 (if circumstances observed)?

N/A / YES NO_

Is each container of 110 gallons or less marked with the required hazardous waste warning label?

N/A / YES NO

7. Does generator placard off-site waste shipments in accordance with DOT regulations (49 CFR Part 172, Subpart F)? (if circumstances observed)

N/A YES NO

Section $E \sim Accumulation Time Exemption (335.69)$

Mote: A facility may accumulate and store hazardous wastes in containers or tanks for up to 90 days without a permit.

1. Is the heginning date of Accumulation Time clearly indicated on each container?

N/A YES NO

2. Is each container or tank clearly labeled or marked with the words "Hazardous Waste"? N/A YES NO

Note: Attach a Container Storage Area Checklist for each container storage area.

Note: Attach a Tanks Checklist for each tank or each group of similar tanks.

Note: If this is a T/S/D Facility, proceed to General Facilities Checklist.

TWC Reg.	No	31458	
Checklist	- /	untare	

COMMENTS SHEET

Section A, I A hazardous waste determination has not been made on the following:
1. a. 1 contaminated dly soib
2. weste forks. Ht o. is.
(TAC 336.62)
section Ay 1 The following waste streams had not been identified as the resistantion
1 oil contaminated dry soib 3. Spent solvent (Satisfillien)
2 wate falk !: ft o. 15.
(TAC 3366(b)).
,
^
section As 1 Trestment, Storger and Disposit of the following waster are not shown on
the registration'
1. Metal Scrap (OCZ)
2. Plant Retwee (003)
3. Alkaline Chaning solution (505)
4. o'l catamingted describ (un injetered)
section 1 5. waste for 1.41 o.13 (union stered)
(TAC 336.6(a)). 6. Spent solvents (Sately Klein)
(1)7 () 20. (a)). 6. 4 flat 50/48/13 (36/6) 1/16/
•

TWC Reg. N	6. <u>3/</u>	458	
Checklist	<i>(</i>	4	

COMMENTS SHEET

Section _	C 1(19) Waster takin	for the septic took / dias	Full (facility 01)
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		eronations well run on the wa-	ite from the suprisficate.
. 1		at solvents (supplied by Solot, Klas	·
	(336 8)		
Section _	/		
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Section			
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Section _	/		
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		an a	
			an angangan ganggangangan gangganggangga
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GENERAL FACILITIES CHECKLIST

Section A - General Site Information

- 1. Are any solid waste facilities located in the 100-year floodplain? YES If yes, explain.
- Are there any closed or abandoned solid waste facilities ? If yes, explain.

- Has proof of deed recordation of all on-site solid waste disposal facilities been provided to the agency? If no, explain.
- YES

- 5. Are all non-RCRA solid waste facilities compliant with the general prohibitions contained in TAC 335.4? If no, explain.
- YES
- 6. An up-to-date Plant Map showing site orientation, waste management facilities, and major topographic features should be attached. Each facility checklist should have a Facility Map or Sketch attached.
- +++ Note: For all non-RCRA facilities, do not complete the remainder of this General Facilities Checklist. Proceed to the individual facility checklists.

Section B - Personnel Training (335.117)

- Owner/operator maintains proper personnel training records at the facility.

- Personnel training records include:
 - a. Job title and written job description of each position.
 - b. Description of type and amount of training.
 - Records of training given to facility personnel.
- Personnel training records are maintained for the appropriate length of time.
- Training program is adequate for response to emergencies.
- YES NO YES NO YES NO YES NO N/A VYES NO

An entry in this column indicates corrective action/response is needed.

Section C - Preparedness and Prevention (335.131-137)

1.	Describe any evidence of	fire, explosion,	or	contamination	of	the
	environment in the commen	ts sheet.				

-•	environment in the comments sheet.			
2.	Facility is equipped with:			, *
	a. Internal communication or alarm system within easy access.	N/A_	YES_	_ NO_
	b. Telephone or two-way radio to call emergency response personnel.	N/A_	YES_	NO_
	c. Portable fire extinguishers, fire control equipment, spill control equipment and decontamination equipment are tested regularly to assure proper operation.	N/A_	YES_	_ NO_
	d. Available water supply volume and pressure are adequate for hoses, sprinklers or water spray system.	N/A_	YES_	NO_
3.	Aisle space is sufficient to allow unobstructed movement of personnel and equipment.	N/A_	YES_	_ NO_
4.	Owner/operator has attempted to make arrangements with the local response authorities to familiarize them with the layout of the facility, properties of hazardous wastes handled and associated hazards, work locations of facility personnel, entrances to facility roads and possible evacuation routes.	N/A	YES	_ NO_
5.	In the event that more than one law enforcement or fire department might respond, a primary authority has been designated.	N/A_	YES_	NO_
6.	Owner/operatorhas attempted to reach agreements with State emergency response teams, emergency response contractors and equipment suppliers.	N/A_	YES_	_ NO_
7.	Owner/operator has attempted to make arrangements with local hospitals to familiarize them with the properties of the hazardous wastes handled and the types of injuries that could result from fires, explosions or releases from the facility.	N/A	YES	NO
8.			YES	
Sec	tion D - Contingency Plan and Emergency Procedures (335.151157)		· :	
1.		N/A_	YES	_ NO_
2.	The contingency plan is: a. a revised SPCC plan b. a separate document	-		

3. Emergency coordinator is on site or on call at all times.

STOP HERE IF FACILITY ACCUMULATES WASTE ON SITE FOR LESS THAN 90 DAYS ***

c. adequate to meet emergency

procedures requirements.

YES

NO

		. 5	*		
1.	Fac	cility has a waste analysis plan.	N/A	YES	NO
2.	Was	ste analysis plan is maintained at the facility.	N/A	YES	NO_
3.	Was	ste analysis plan includes the following:			
	a.	Parameters for which each waste will be analyzed.	N/A	YES	NO_
	b.	Test methods used to test for these parameters.	N/A_	YES	NO
	c.]	Sampling method used to obtain sample.	N/A	YES	NO_
,	d.	Frequency with which the initial analysis will be reviewed or repeated.	N/A	YES	NO
	Not	e: Frequency includes the requirement to repeat analysis whenever waste stream or process is changed.	I		
	e.	Waste analyses that generators have agreed to provide.	N/A	YES_	NO_
	f.	For off-site disposal facilities, the procedures which are used to inspect and analyze each movement of hazardous waste, including:			
		1) Procedures to be used to determine the identity of each movement of waste.	N/A	YES_	NO_
*		2) Sampling method to be used to obtain a representative sample of the waste to be identified.	N/A	YES	NO
Sec	tion	F - Security (335.115)			
1.	The	facility provides adequate security.	N/A	YES	_ NO_
	а.	24-hour surveil/ance system, OR			
	b.	Artificial and/or natural barrier around facility, AND			
		Describe:	•		
	C.	Means to control access through entrances.	· . · .		
		Describe:			•
			•		
2.		ility has a sign with the legend "Danger - Unauthorized sonnel Keep Out".	N/A	YES	NO

Se	ection G - General Inspection Requirements (335.116)			***
1.	Pacility has a written inspection plan and schedule.	N/A_	YES	NO
2.	Inspection plan is maintained at the facility.	N/A	YES	NO
3.	Plan and schedule provide for the inspection of the following:			
	a. Monitoring equipment	N/A	YES	NO
	b. Safety and emergency equipment	N/A	YES	NO
	c. Security devices	N/A	YES	NO
	d. Operating and structural equipment.	N/A_	YES	NO
4.	Schedule or plan identifies the types of problems to be looked for during the inspection.	N/A_	YES_	NO
	a. Malfunction and deterioration	N/A_	YES	NO
	b. Operator error	N/A	YES	NO
	c. Discharge or threat of discharge	N/A_	YES	NO
5.	The owner/operator maintains an inspection log which includes:		•	
	a. Date and time of inspection	N/A	YES	NO
	b. Name of inspector	N/A	YES	NO
	c. Notation of observations	N/A	YES	NO
	d. Date and nature of repairs and remedial action.	N/A	YES	NO
6.	Malfunctions or other deficiencies noted in the inspection log have been rectified.	N/A_	YES	NO
7.	Inspection log records are maintained for three years.	N/A	YES	_ NO

Sec	ction H - Requirements for Ignitable, Reactive or Incompatible Waste	s (335.	118)	***
1.	Owner/operator is familiar with the proper separation and safeguards needed to prevent ignition or reaction of wastes.	N/A	YES	NO
	a. Use comments sheet to describe separation and confinement proc	edures.		
	b. Use comments sheet to describe any potential sources of ignition	n or rea	ction.	•
2.	Smoking and open flame are confined to specifically designated smoking areas.	N/A	YES	NO
3.	"No Smoking" signs are posted in hazardous areas.	N/A	YES	NO
Sec	tion I - Manifest System, Recordkeeping and Reporting (335.1711	77)		`
ì.\	Owner/operator complies with the manifest requirements.	N/A	YES_	NO
	Note: If #1 is not applicable (N/A), go to #6.	•		
2.	Waste received from a rail or water (bulk shipment) transporter are accompanied by a properly executed shipping paper.	N/A	YES_	NO
3.	All shipments of wastes received have been consistent with the manifests.	N/A	YES_	NO
4.	Unmanifested wastes are reported to the Executive Director.	N/A_	YES_	NO
5.	Discrepancies have been reconciled with the generator and transporter.	N/A	YES	NO
6.	Owner/operator keeps a written operating record at the facility.	N/A_	YES	NO
7.	Operating record reflects the following:			
	a. Description and quantity of each hazardous waste received and methods and date of treatment/storage/disposal at the facility.	N/A	YES	NO
	b. Location and quantity of each hazardous waste within the facility.	N/A_	YES	NO
	c. Records and results of waste analyses and trial tests.	N/A	YES	NO
	d. Summary reports of all incidents that require inplementation of the emergency contingency plan.	N/A	YES	NO
	e. Closure cost estimates for all facilities.	N/A_	YES	NO
	f. Post-closure cost estimates for all disposal facilities.	N/A	YES_	NO

Sec	etion J - Financial Assurance (335.233)		***
1.	Preinspection call to Central Office confirms that facility has submitted surrent financial assurance documentation.	N/A	YESNO
2.	If yes, indicate the documents submitted and their respective value	es:	
	Sudden Liability - Amount: \$ per occurance, \$		annual.
	Non-sudden Liability - Amount: per occurance, \$		annual.
	Closure Assurance - Amount: \$		
	Post Closure Assurance - Amount: \$		
٠,	Corrective Action - Amount: \$		
3.	Financial Assurance Officer reports that documentation is adequate.	N/A	YESNO
	If no, describe deficiencies:		
			
			
			

COMMENTS SHEET

Section A3 1 Facility (01) Sighie Tank / Drown Field has been closed This
closing was accomplished by an approved closur plan, approved May 16 1975
This facility was completen clased on November 21985. A closur certification
·
was submitted by Kindle, Stone & Associates on January 3, 1986
Section A 41 The closed raptic tack 1 Drain field facility 01 has not
bun deed recorded (TAC 336,5)
Soution AS 1 77: 55 1/2 to 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Section A5 1 The S5 coller steel barnels holding copper shavings should not
let sam water work through the shavings and onto the ground (TAC 336.4)
Section/

TWC Solid Waste Inpection Report (TAC 335.241-247)

CONTAINER STORAGE AREA CHECKLIST

TWC	Reg. No	31458
Req.	Facility	(unregistered)

Class	of	Wastes	(_		
,				1	_

(scrap metal dumpster)

NOTE: TAC rules 335.241-247 apply to interim status and 90-Day Storage exempt facilities.

1.	Are containers in good condition?	YES	NO
2.	Are the containers compatible with the wastes being stored?	YES _	NO
٦,	Are containers kept closed and stored in a safe manner? NA		NO
4.	Are containers inspected weekly for leakage and deterioration?	YES	NO
۲.	Are containers holding ignitable or reactive wastes kept at least 15 meters (50 ft.) from the facility's property line? N/A_	YES	NO
۴.	Are containers holding incompatible wastes separated by a physical barrier or sufficient distance? N/A		NO
7.	Does the storage area have containment protection? YES	_ NO	
	· ·		
Я.	Describe the Container Storage Area using comments sheet and/or photos:	;	
	Scrap steal showings are stored in = 39 cobings netal dumpster. The	dupote	<u> </u>
	below grade on a stope of approximately 15°. This below grade and is	concretio	100
	all sides and beneath the dumpster. Gil dispense from the dumpster a		
	11 . D. D. J. J. A. C. 114 . 12) 1 0 1211. A. C.		

Tixas Scrap of Longuew, TX. disposes of the metal scrap.

^{***} An entry in this column indicates corrective action/response is needed.

TWC Solid Waste Inspection (ort (TAC 335.261-267) TANKS CHECKLIST

TWC Reg. No._

Reg. Facility No. 02

•				
	Cla	ss of Wa	ste (<u>//</u>
Note:	TAC Subchapters E through V do not apply to Tanks exempted by th Elementary Neutralization and Wastewater Treatment Unit exclusion	e ns.		
Use of	Tank (check): Treatment Storage			
Type.	of Waste: Mater solubly cooling oil clas I	~~~		
Туре	of Tank (check): Elevated On-ground Below-grade Unde	rground_	_	
Nore:	Underground storage tanks are generally not being granted permit	exempti	ons.	
Descri	be Tank construction: Steel 4008 calles enderground storage	test		eranana ann e
	on A - General Operating Requirements (335.262)			* *
1. Is	there evidence of ruptures, leaks, corrosion, or Tank failure?		NO <u>√</u>	YES
2. Is	If yes: Is there 2 ft. of freeboard, an adequate containment dik a drainage control system, or a diversion structure?	e, N/A	YES_	NO_
	Describe:	, 	a enga saga enga e a e sementente	
3. Is	the Tank continuous feed? YES NO /	***************************************		
	Is there a feed cutoff or bypass to standby Tank?	N/A_	_ YES_	_ NO_
Section	on B - Waste Analyses (335.263)	. ,		
1. Is	If yes: *a. Are waste analyses and trial treatment or storage tests done on these different wastes or Is there written, documented information	NO		
	on similar treatment or storage of similar wastes?	N/A	YES_	ON
	th Are records available of these			

wastes analyses in the operating record?

N/A YES NO

^{*} Not applicable to Tanks under the 90-Day Storage Exemption.
*** An entry in this column indicates corrective action/response is needed.

1. A	re t	he following items (if present) inspected at least daily:		
	а.	Discharge control equipment (e.g. waste feed cut-off, bypass and/or drainage system)?	N/A VES_	_ NO_
	b.	Monitoring equipment (pressure & temperature guages, etc.)?	N/A / YES_	NO_
	c.	Data gathered from monitoring equipment?	N/A / YES	NO_
٠	d.	Level of waste in each <u>uncovered</u> tank?	N/A YES	NO_
2. A	re t	he following items inspected at least weekly:		
	а.	Construction materials of tank for corrosion and leaks?	NA / YES	NO_
. ,	b.	Construction materials of discharge confinement structures (dikes) for erosion or leaks?	NA / YES_	14
*3. I	s a 'i	written inspection schedule kept at the site (335.116)?	N/A / TES_	NO_
		dequate Tank inspection logs maintained ne necessary three years (335.116)?	N/A YES_	NO_
1. A	re i	D - Special Requirements (335.266-267) gnitable and reactive wastes handled in accordance with the sperements of TAC 335.266:	ecial	
	a.	Rendered non-ignitable or non-reactive or Protected from sources of ignition or reaction? (N/A if the Tank is used solely for emergencies)	n/a / Yes_	_ NO
	b.	Compliant with the National Fire Protection Association buffer zone requirements for covered tanks?	N/A J YES_	NO_
2. Is	s the	e Tank used to hold incompatible wastes? YESNO		
		f yes, is the Tank washed prior to placement f wastes incompatible with previously stored wastes?	N/A YE3_	_ NO
		ibe Tank size and capacity. Indicate location and designation		
		or gallen steel tank, with 2" PUC piping from the scrap metal of		
		sump. Gils collected in the saige metal duepster fump out sun underground storase tank	ran furfic	70
_	حاستند	والمتحدث والمتحدد وال		

Section C - Tank Inspections (335.264)

Solid Waste Inspection Report (TAC 335.211-220)

CLOSURE & POST-CLOSURE CHECKLIST

Section	Α	-	CLOS	URE	PLAN

1.	Circle hazardous waste facilities subject to RCRA CLOSURE.	
	CLOSURE: C T SI WP LT LF I TT TR WOW	0
2.	Does the facility have a written closure plan?	YES
3.	Does the plan address <u>all</u> hazardous waste facilities?	YES / NO_
4.	Does the closure plan include:	
	a. A description of how and when the facility will be:	
•	Partially Closed- N/A Finally Closed-	YES NO NO NO NO
	b. An up-to-date estimate of the maximum inventory of wastes in storage and treatment at any time during the life of the facility?	YES NO
	c. An estimate of the expected year of closure? Year: //-7-85	YES NO
5.	Does the plan include a schedule for final closure: Does the schedule include:	YES NO
	a. Time estimates for each phase of closure for each area?	YES NO
	b. Total time estimate for closure?	YES NO
6.	Are the following Steps to Close included in the plan?	:
	a. Removal of wastes b. Treatment of wastes c. Waste disposal d. Cover e. Decontamination of equipment & structures f. Closure certification	YES / NO
7.	Has plan been amended as necessary to reflect changes in facility operations or design? N/A	YESNO
8.	Using a comments sheet, give a brief summary of how each RCRA facility component will be closed: (511 Cunn 14)	

^{***} An entry in this column indicates corrective action/response is needed.

Page 1 of 3

Section B - POST-CLOSURE PLAN

Circle hazardous waste facilities subject to RCRA Post-Closure.

		POST-CLOSURE: SI WP LT LF 0		/	* ***
1.	Does	s the facility have a written post-closure plan?	N/A_	YES	NO
2.	Does	the plan address all RCRA land disposal facilities?	1	YES	NO
3.	Does	s the plan provide for 36 years of post-closure care?		YES	NO
4.	Does	s the plan include:			
,	a.	A description of planned groundwater monitoring activities and frequencies?		YES	NO
	b.	A description of planned maintenance activities and frequencies to ensure the following:			
		(1) Integrity of cap, final cover, or other containment		YES	NO
		(2) Proper functioning of groundwater monitoring equipment		YES	NO
		(3) Proper functioning of leachate collection equipment	N/A_	YES	NO
		(4) Proper functioning of gas collection equipment	N/A_	YES	NO
	c.	Name, address and phone number of facility contact person for the post-closure period?		YES	NO
	d.	Requirement for notice to local land authority?		YES	NO
	e.	Requirement for notice in deed to property of hazardous waste disposal and future land use restrictions?		YES	NO
5.		the plan been amended during the operating life the facility to reflect changes in operation or design?		YES	NO
6.	Usir post	g a comments sheet, give a <u>brief</u> summary of planned —closure activities:			
					
,					
					·
			·		·
					
			,		

Section C - CLOSURE COST ESTIMATES

 	 COSTS	

1.	Is there a written closure cost estimate? \$	A	YES	NO
2.	Is the closure cost estimate adequate and modified as necesary?		YES	NO
POS	T-CLOSURE COSTS:			
3.	Is there a written post-closure cost estimate? N/A_	+	YES	NO
4.	Is the annual estimate multiplied by 30 to cover the entire post-closure care period? N/A		YES	NO
5.	Is the post-closure cost estimate adequate and modified as necessary? (Incl. labor, notification & deed recordation) N/A_		YES	NO
	MENTS A 8 / All waste acrociated with facility OI Septic take / Plans			
	monitest to Gibrallar Chanical hasower. Flashpoint and G			
_#1	early no hozardous wasts. The spotic talk was wested and was anifested offsite. The seption take was filled with clay only die stem was cound by a 4" concate slag.			
				/
				
				
				
		المسايد		

LEXAS WATER COMMISSION

Paul Hopkins, Chairman Ralph Roming, Commissioner John O. Houchins, Commissioner



Larry R. Soward, Executive Director Mary Ann Hefner, Chief Clerk James K. Rourke, Jr., General Counsel

Mr. Dan Ellison, President E & S Manufacturing Division 506 West Harrison Rd. Longview, Texas 75604

Re: Solid Waste Registration No. 31458 - E & S Manufacturing Division

Dear Mr. Ellison:

On April 28, 1986, Kevin Phillips of our office conducted an industrial solid waste inspection of your hazardous waste management program and facilities. During the inspection, the following deficiencies were noted regarding the Code of Federal Regulations (CFR) Title 40, Part 265, and the State Industrial Solid Waste Regulations as set forth in the Texas Administrative Code (TAC), Chapter 336:

- A hazardous waste determination has not been made on oil contaminated dry sorb and waste forklift oils as required by TAC 336.62.
- Oil contaminated dry sorb, waste forklift oils, and spent solvents have not been identified on the registration as required by TAC 336.6 (b).
- Storage and disposal of the following waste are not shown on the registration:
 - a. Metal scrap
 - b. Plant refuse
 - c. Alkaline cleaning solution
- d. Oil contaminated dry sorb
- e. Waste forklift oils
- f. Spent solvents

TAC 336.6 (a).

- Proof of deed recordation should be provided for the closed septic tank/ drainfield facility as required by TAC 336.5.
- An annual waste report should be submitted for the generated spent solvents (Safety Kleen) as required by TAC 336.9.
- Steel 55 gallon barrels holding copper shavings should not let rain water wash through the shavings and onto the ground. These discharges are in violation of TAC 336.4.

During this inspection it was noted that 2" PVC piping is connected to the 4,000 gallon, steel, waste oil underground storage tank. Since the exact construction plans were not available, we recommend that the tank be monitored to see if any leaking is occurring.

Mr. Dan Ellison May 28, 1986 Page 2

Please respond to this office in writing by June 17, 1986 with your plans and implementation schedule which will ensure corrective action of the deficiencies by July 1, 1986. If compliance is not attained by July 1, 1986, this matter will be referred to our Central Office in Austin for further action. If you have any questions, contact Kevin Phillips or me at 214/984-0636.

Sincerely,

John W. Witherspoon
District 5 Manager

KP/bs

U.S. DEPARTMENT OF LABOR Occupational Safety & Health Administration

MATERIAL SAFETY DATA SHEET

		SEC	TION 1		
MANUFACTURER'S NAME Fiske Brothers Refining Co	omnan		EMERGENCY TELEPHON (419) 691-2491	NO.	
ADDRESS (Number, Street, City, State, and ZIP Co P. O. Box 8038, Station A			hio 43605		
CHEMICAL NAME AND SYNONYMS			TRADE NAME AND SYNONYMS	77	
CHEMICAL FAMILY			FISKE'S 35 SOLUBLE Mineral oil plus emuls		
				** *6*	
SECTIO	וו אכ	HAZAI	RDOUS INGREDIENTS		
PAINTS, PRESERVATIVES, & SOLVENTS	*	TLY (Units)	ALLOYS AND METALLIC COATINGS	*	TLY (Units)
IGMENTS			BASE METAL		
ATALYST	1	•	ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURE	S OF O	THER LIC	UIDS, SOLIDS, OR GASES	7.	TLV (Unite)
				•	, , , , , ,
				-	
•					
	ECTIO	ווו אכ	PHYSICAL DATA		
IGILING POINT (F.)	<u> </u>		SPECIFIC GRAVITY (H2O=1)	0.	9159
APOR PRESSURE (mm Hg.)			PERCENT VOLATILE BY VOLUME (%)		
APOR DENSITY (AIR=1)			EVAPORATION RATE		
SOLUBILITY IN WATER	Com	plete			
APPEARANCE AND ODOR Clear	, amb	er col	ored fluid bland odor		
	FIR	E AND	EXPLOSION HAZARD DATA		
LASH POINT (Method used) 370°F. C.C	o.c.		FLAMMABLE LIMITS Let		Uel
EXTINGUISHING MEDIA CO2	mso?		Water Mist		
		11	used for oils		
ERECIAL SURF SICURIAGE PROCESSIONS	as no	LWAITY	daed for offa		
COCCIAL SIGN SIGNATURE AGGGGGGLACE	as no	TWETTY	useu for offs		TACH

			SECTIO	ON	V HEA	LTH HAZARD	DATA	,	
THRESHOLD LIMIT	VALUE								
EFFECTS OF OVERE	XPOSURE	•			•				
							 		
EMERGENCY AND F	IRST AID	PROCEDURES	E	Exte	rnal:	Good Hygie	ne		
					ernal:				
									
			SECT			EACTIVITY D	ATA		•
STABILITY "	ASLE		C	ONDITION	\$ TO AVOID				
	STAB	LE	X						
INCOMPATABILITY	(Materiali	s to avoid)							
HAZARDOUS DECO	MPOSITIO	N PRODUCTS							
HAZARDOUS		MAY OCCUR		-		CONDITIONS TO	O AVOID		,
POLYMERIZATION		WILL NOT OC	CUR		х				
	<u>_</u>				1				
									
			251011						
		251	CTION V	/11	SPILL	OR LEAK PRO	CEDURES	•	
STEPS TO BE TAKEN	I IN CASE					OR LEAK PRO	CEDURES	·	
		MATERIAL IS	RELEASED	OR S	PILLED			rhad with	"Oil Dwg
		MATERIAL IS	RELEASED	OR S	PILLED		cand/or abso	rbed with	"Oil Drye
Normal o	lean	MATERIAL IS I	RELEASED be wa	on s she	PILLED	with water	and/or abso	rbed with	"Oil Drye
	lean	MATERIAL IS I	RELEASED be wa	on s she	PILLED		and/or abso	rhed with	"Oil Drye
Normal o	lean	MATERIAL IS I	RELEASED be wa	on s she	PILLED	with water	and/or abso	rbed with	"Oil Drye
Normal o	lean	MATERIAL IS I	RELEASED be wa	on s she	PILLED	with water	and/or abso	rbed with	"Oil Drye
Normal o	lean	MATERIAL IS I	be wa	or she	PILLED d down	with water	and/or abso	rhed with	"Oil Drye
Normal o	elean HETHOO	Incin	be wa	or she	PILLED d down	with water	and/or abso	rhed with	"Oil Drye
Normal o	ECTION (Incin SECTION Specify type)	be wa	or she	PILLED d down	with water	and/or abso	rbed with	"Oil Drye
Normal o	ECTION (Incin	be wa	or she	PILLED d down	with water	and/or abso	rhed with	"Oil Drye
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NOTE DISPOSAL M	ECTION (Incin SECTION Specify type) AL EXHAUST	be was	or spe	d down	with water ed land dis	and/or absorposal NFORMATION SPECIAL OTHER		
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COMPANY NAME Fiske Brothers Refining Co.

DATE PREPARED August 13, 1980

PREPARED 8Y:

O. F. Kuhlman

Technical Advisor

COMBUSTIBLE LIQUID.

Form No. OS! IA-20

9/25/79 OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIONSupersedes issue of 8/10/79 MATERIAL SAFETY DATA SHEET

SECTION I EMERGENCY TELEPHONE NO. MANUFACTURER'S NAME EXXON COMPANY, U.S.A. (713) 656-3424 ADDRESS (Number, Street, City, State and ZIP Code) P. O. Box 2180 Houston, Texas 77001 CHEMICAL NAME AND SYNONYMS TRADE NAME AND SYNONYMS Petroleum Solvent 627 SOLVENT CHEMICAL FAMILY FORMULA Petroleum Hydrocarbon Complex mixture of petroleum hydrocarbons SECTION II HAZARDOUS INGREDIENTS % TLV (UNITS) 627 SOLVENT .00 SEE NOTE NOTE: The Threshold Limit Value (TLV) of 100 ppm vapor in air has been established by the American Conference of Governmental Industrial Hygienists for Stoddard solvent, and is thus applicable to 627 SOLVENT. In a recent study by Exxon Corporation Medical Research with laboratory animals (rats) exposed to vapors in air of a solvent similar to 627 SOLVENT, kidney damage was noted in male rats at this concentration. The recent study suggests that this occupational exposure limit may have to be lowered for this product. Work is continuing to validate these findings d determine whether a revised occupational exposure limit should be recommended for 627 SOLVENT. SECTION III PHYSICAL DATA BOILING RANGE SPECIFIC GRAVITY (H20=1) 156-204°C 0.79 IBP-Dry Pt. (313-400°F) VAPOR PRESSURE (mm Hg.) PERCENT VOLATILE BY VOLUME (%) 100 @ 25°C < 10 VAPOR DENSITY (AIR@1) EVAPORATION RATE (n - BUTYL ACETATE=1) < .0.1 4.8 SOLUBILITY IN WATER Negligible APPEARANCE AND ODOR Mineral spirits odor. Water-white liquid. SECTION IV FIRE AND EXPLOSION HAZARD DATA FLAMMABLE OR EXPLOSIVE LIMITS ADDROXIMATE (PERCENT BY VOLUME IN AIR) FLASH POINT (Method Used) UPPER LIMIT LOWER LIMIT 42°C (108°F) Tag Closed Cup 6.0% 0.9% EXTINGUISHING MEDIA Foam, dry chemical, CO2, or water fog or spray. SPECIAL FIRE FIGHTING PROCEDURES Use air-supplied breathing equipment for enclosed areas. Cool exposed containers with water spray. Avoid breathing vapor or fumes. UNUSUAL FIRE AND EXPLOSION HAZARDS Do not mix or store with strong oxidants like liquid chlorine or concentrated oxygen. STrimeth ATTACHMENT

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

POLYMERIZATION

100 ppm for 8 hour workday recommended by ACGIH for Stoddard solvent. See also Section II.

Inhalation of high vapor concentrations may have results ranging from dizziness and headaches to unconsciousness. Prolonged or repeated liquid contact with the skin will dry and defat the skin, leading to irritation and dermatitis.

EMERGENCY AND FIRST AID PROCEDURES

If overcome by vapor, remove from exposure immediately; call a Physician. If breathing is irregular or stopped, start resuscitation, administer oxygen. If ingested, DO NOT induce vomiting; call a Physician. In case of skin contact, remove any contaminated clothing, and wash skin with soap and warm water. If splashed into the eyes, flush eyes with clear water for 15 minutes or until irritation subsides.

SECTION VI REACTIVITY DATA										
STABILITY UNSTABLE STABLE	UNSTABLE		CONDITIONS TO AVOID							
		х		· 						
Strong ox	TY (Materials to avoid) idants like: li composition produc oke and carbon to	iquid chl Ionoxide,	orine, concentrated oxygen, sodium or calcium hy in the case of incomplete combustion.	pochlorite						
HAZARDOUS	MAY OCCUR		CONDITIONS TO AVOID							

X SECTION VII SPILL OR LEAK PROCEDURES

Recover free liquid. Add absorbent (sand, earth, sawdust, etc.) to spill area. Avoid breathing vapors. Ventilate confined spaces. Open all windows and doors. Keep petroleum products out of sewers and watercourses by diking or impounding. Advise authorities if

product has entered or may enter sewers, watercourses, or extensive land areas.

Assure conformity with applicable disposal regulations. Dispose of absorbed material at an approved disposal site or facility.

SECTION VIII SPECIAL PROTECTION INFORMATION RESPIRATORY PROTECTION (Specify type) Use hydrocarbon vapor canister or supplied-air respiratory protection in confined or enclosed spaces if needed. | LOCAL EXHAUST | SPECIAL

Face velocity > 60 fpm

WECHANICAL (General)

Use only with adequate* ventilation.

OTHER

Use explosion-proof equipment

No smoking or open lights.

PROTECTIVE GLOVES Use chemical-resistant gloves, if PROTECTION Use splash goggles or face needed to avoid repeated or prolonged skin contact shield when eye contact may occur. OTHER PROTECTIVE EQUIPMENT Use chemical-resistant apron or other clothing if needed to avoid

repeated or prolonged skin contact.

WILL NOT OCCUR

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

Keep containers closed when not in use. Do not handle or store near heat, sparks, flame or strong oxidants. Adequate* ventilation required.

*Adequate means equivalent to outdoors.

OTHER PRECAUTIONS Avoid breathing vapors. Avoid prolonged or repeated contact with skin.

Remove contaminated clothing and launder before reuse. Remove contaminated shoes and thoroughly dry before reuse. Wash skin thoroughly with soap and water after contact.

FOR ADDITIONAL INFORMATION ON HEALTH EFFECTS CONTACT:

FOR OTHER PRODUCT INFORMATION CONTACT:

Manager, Marketing Technical Services (713) 656-4929

U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

Form Approved OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

3/4/83

Required under USDL Safety and Health Regulations for Ship Repairing, ampbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

		SEC1	TION I				
MANUFACTURER'S NAME AMREP, INC.				EMERGENCY 214 22	TELEPHONE	NO,	
AUDINESS (Number, Street, City, State, and ZIP C	ode)	T = = =	and an one of	763.46			
CHEMICAL NAME AND SYNONYMS		Lanc	ARter, TX	AME AND SYNC	ONYMS	<u></u>	2201
CHEMICAL FAMILY			FORMULA BC-8			(H-	<u>-339)</u>
Alkaline Cleaner/Degrea	ser		Proprieta	ary			
SECTION	4 11 -	HAZAS	RDOUS INGREDI	ENTS			
PAINTS, PRESERVATIVES, & SOLVENTS	*	TLV (Units)	··	METALLIC COA	TINGS	*	TLV (Units)
PIGMENTS			BASE METAL				
CATALYST			ALLOYS				
VEHICLE			METALLIC COATIN	G\$			
SOLVENTS Butyl Cellosolve	5	50	FILLER MI TAL PLUS COATING ON				
ADDITIVES			OTHERS				
OTHERS	Ţ				-		
HAZARDOUS MIXTURE	S OF	OTHER LI	OUIDS, SOLIDS, OH G	ASES		*	TLV (Units)
. None							
. None							
							
				- 		٠.	
SEC	CTIO	N III - F	PHYSICAL DATA	- 			
BOILING POINT (OF.)		200	SPECIFIC GRAVITY	(H ₂ O±1) •		l	.040
VAPOR PRESSURE (mm Hg.)	1	N/A	PERCENT, VOLATIL BY VOLUME (%)	-E			92
VAPOR DENSITY (AIR-1)		N/A	EVAPORATION RAT	TE 1)		1	.00
SOLUBILITY IN WATER		100%			•		
APPEARANCE AND ODOR Clear, yel			non-visc.	liquid.	Butyl	ode	or,
SECTION IV -	FIR	E AND I	XPLOSION HAZ	ARD DATA			
FLASH POINT (Method used)			FLAMMABLE LI		اما		Uel
None EXTINGUISHING MEDIA	<u> </u>			I			
None required SPECIAL FIRE FIGHTING PROCEDURES		<u> </u>	· · · · · · · · · · · · · · · · · · ·				
N/A			 		`.		
UNUSUAL FIRE AND EXPLOSION HAZARDS							
NOME							
•							

SECTION V - HEALTH HAZARD DATA
THRESHOLD LIMIT VALUE Not established.
Prolonged inhalation may cause dizziness or irritation of mucous
membranes or eyes. Skin contact may cause chapping of affected are
EMERGENCY AND FIRST AID PROCEDURES Inhalation: remove to fresh air. Ingestion: drink copious amounts
of clear water followed by solution of water and vinegar or fruit
juice. Seek medical attention. Wash skin with water and mild acid.

SECTION VI - REACTIVITY DATA										
STABILITY	UNS	TABLE	•	CONDITION	S TO AVOID					
	STA	· · ·	Yes			·				
INCOMPATABIL	INCOMPATABILITY (Materials to avoid)									
HAZARDOUS DE	COMPOS	TION PRODUC	TS							
HAZARDOUS		MAY OCCUR			CONDITIONS TO AVOID					
POLYMERIZATION		WILL NOT OCCUR		Yes						

SECTION VII - SPILL OR LEAK PROCEDURES
Steps to be taken in case material is released or spilled Contain and absorb spill with clay or sawdust, or dilute product
with clear water and flush from surface. Rinse all affected sur-
faces with clear water.
Dilute product concentration with clear water and flush to stand-
ard sewage.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ade uate ventilation.

VENTILATION

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SPECIAL

MECHANICAL (General)
AY UST 15 das red

OTHER

PROTECTIVE GLOVES

1 f desired

EVE-PROTECTION
Go les if de in d

THER PROTECTIVE EQUIPMENT Rubber boots and a ron if desired.

SECTION IX - SPECIAL PRECAUTIONS

REEP OUT OF THE REACH OF CHILDREN. Protect roduct from freezin .

Kee conta THER PRECAUTIONS Shi in container.

GE (2)

Form OSHA-20 Rev. May 72

TEXAS WATER DEVELOPMENT **BOARD**



Report 101

GROUND-WATER RESOURCES OF GREGG AND UPSHUR COUNTIES, **TEXAS**

Table 1.—Well Numbers Used by Shafer and Lyle (1937), Broadhurst (1943), and Broadhurst and Breeding (1945) in Gregg County and Corresponding Numbers Used in This Report; Well Numbers Used by Broadhurst (1942) in Upshur County and Corresponding Numbers Used in This Report

			•		
OLD NUMBER	NEW NUMBER	OLD NUMBER	NEW NUMBER	OLD NUMBER	NEW NUMBER
		Gregg Co	unty (KU)		
411	35-33-201	607	35-35-401	679	35-34-201
468	35-34-702	641	35-25-801	698	35-33-903
469	35-33-901	654	35-26-703	699	35-34-403
470	35-33-902	656	35-26-704	700	35-34-401
471	35-41-303	658	35-26-705	703	35-34-703
476	35-33-904	663	35-26-709	705	35-35-701
525	35-34-503	664	35-26-502		•
		Upshur Co	unty (YK)		
12	35-17-201	49	35-25-501	66	34-23-601
14	35-17-202	54	35-18-701	68	34-32-402
15	35-17-203	62	35-17-701	75	35-25-401
33	35-18-201	63	34-24-901		

GEOLOGY AS RELATED TO GROUND WATER

Stratigraphy and Structure

Geologic units of Eocene age are the principal sources of ground water in Gregg and Upshur Counties. Alluvium of Pleistocene and Holocene age yield only small quantities of ground water. The geologic units and their water-bearing characteristics are summarized in Table 2. The outcrop areas of the geologic units are shown on Figure 2.

The Queen City Sand forms the most extensive outcrop in the area. With local exceptions, the units below the Queen City Sand crop out in northeasterly trending belts that extend both north and south of Gregg and Upshur Counties. Eccene units above the Queen City are very limited in extent and occur mostly as outliers across central parts of the area. The wider belts of alluvium are along the principal streams.

The geologic sections (Figures 14, 15, and 16) show the stratigraphic relationships of the units in the subsurface. The contacts between the units often are difficult to determine on drillers' and electrical logs; consequently, the contacts shown on the geologic sections and the thickness of the units shown on Table 2 are only approximate. The top of the Midway Group

defines the approximate base of fresh to slightly saline water in the two-county area. The altitude and depth to the top of the Midway are shown in Figure 3. The Wilcox Group, the lowermost fresh water-bearing unit, comprises nearly half the available water-bearing sediments. The sediments above the Wilcox Group, except the alluvium, are assigned to the Claiborne Group which is divided in ascending order into the Carrizo Sand, Reklaw Formation, Queen City Sand, Weches Greensand, and Sparta Sand.

The major structural feature in the area is a trough-like depression whose long axis nearly coincides with a line extending from the northwest corner of Gregg County to the northeast corner of Upshur County. Southeast of the line the units generally dip northwest, and northwest of the line the units generally dip southeast, both towards the long axis (Figures 3 and 14) at about 15 feet per mile. The report area is part of an extensive area of downwarping which in its entirety is called the East Texas Embayment.

The trough or embayment is shown by the contours on the top of the Midway Group in Figure 3. The general pattern is locally altered in the western part of Upshur County by a south-plunging structural ridge which passes through the community of Kelsey. This structural ridge brings the Carrizo Sand and Reklaw Formation to the surface west and northwest of Gilmer (Figure 2). West of the structural ridge, the Midway

Table 2.—Geologic Units and Their Water-Bearing Characteristics, Gregg and Upshur Counties

SYSTEM	SERIES	GROUP	UNIT	APPROXIMATE MAXIMUM THICKNESS (FT)	CHARACTER OF ROCKS	WATER-BEARING PROPERTIES
Quaternary	Holocene and Pleistocene		Alluvium	60	Sand, silt, clay, and some gravel	Not known to yield water to wells in Gregg and Upshur Counties; probably would yield small quantities.
			Sparta Sand	250	Sand, silt, and clay,	Known to yield only small quantities of fresh water to wells in Gregg and Upshur Counties.
			Waches Greensand	75	Glauconite, glau- conitic clay, and sand; secondary deposits of limon- ite common in out- crop areas.	Not known to yield water to wells in Gregg and Upshur Counties.
	Eocene	Claiborne	Queen City Sand	500	Sand, silt, clay, and some lignite.	Yields small to moderate quantities of fresh water to wells in Gregg and Upshur Counties.
Tertiary	Localia		Reklaw Formation	110	Glauconitic clay and some sand and lignite; lim- onite is common in outcrop areas.	Not known to yield water to wells in Gregg and Upshur Counties.
			Carrizo Sand	150	Sand, silt, and clay.	Yields moderate to large quantites of fresh to slightly saline water to wells in Gregg and Upshur Counties.
		Wilcox		600	Sand, silt, clay, lignite, and limonite sand beds generally thin- bedded and discontinuous.	Yields moderate to large quantities of fresh to slightly saline water to wells in Gregg and Upshur Counties.
	Paleocene	Midway		880	Calcareous clay and minor amounts of limestone, silt, and glauconitic sand.	Yields no water to wells in Gregg and Upshur Counties.

The Reklaw Formation is not definitely known to yield water to any wells in the area, but it probably would yield small quantities to wells where the unit is locally sandy. It is significant hydraulically as a confining bed above the underlying Carrizo Sand.

Queen City Sand

The Queen City Sand conformably overlies the Reklaw Formation and crops out over 90 percent of Gregg and Upshur Counties (Figure 2). In contrast to the red clayey soil and the more gentle relief on the Reklaw. the outcrop of the Queen City is composed of gray sandy soil, and the relief ranges from moderate to hilly. Pine timber and perennial streams are more prevalent on the outcrop of the Queen City than on outcrops of the older units. The Queen City consists of massive to cross-bedded sediments, locally stratified. The sediments generally consist of about 80 percent medium to fine sand and about 20 percent silt and clay, with minor amounts of lignite. The Queen City has a maximum thickness of about 500 feet in the southwestern corner of Upshur County. In general, wells in the Queen City are capable of furnishing small to moderate quantities of fresh water.

Weches Greensand and Sparta Sand

The Weches Greensand and Sparta Sand have a very limited extent in Gregg and Upshur Counties. They crop out as scattered outliers having relatively sharp relief across the central part of the area (Figure 2).

The Weches Greensand attains a thickness of 75 feet and consists of interbedded glauconitic clay and sand. At the shallow depths and in outcrops the unit locally contains enough secondary deposits of limonite to make it a durable caprock. Consequently, a very hilly terrain is characteristic of the Weches outcrop. The formation is not known to yield water to wells in the report area.

The overlying Sparta Sand attains a thickness of 250 feet in the southwestern corner of Upshur County and generally consists of about 70 percent medium to fine sand and about 30 percent sandy clay and silt. The Sparta outcrops generally are excellent infiltration areas. Although the unit is known to yield only small quantities of fresh water to wells, water from springs at the base of the Sparta outcrop makes a significant contribution to the base flow of Big Sandy Creek.

Alluvium

Alluvial sediments occur in and near the floodplains of the principal streams (Figure 2). The sediments have a maximum thickness of about 60 feet, and generally consist of clay, silt, fine sand, and minor amounts of gravel. The alluvium is not known to yield water to wells, but it probably is capable of yielding at least small quantities of water.

HYDROLOGIC UNITS

The Wilcox Group, Carrizo Sand, and Queen City Sand constitute the significant water-bearing units in Gregg and Upshur Counties. The first two formations have similar hydrologic properties and are in hydraulic continuity. Consequently, they function as a single aquifer, which, for purposes of this report, is referred to as the Carrizo-Wilcox aquifer.

The Carrizo-Wilcox aquifer crops out between Longview and Kilgore in Gregg County and northwest of Gilmer in Upshur County. In the subsurface, the aquifer dips toward the northeasterly-trending trough (the East Texas Embayment) at about 15 feet per mile (Figure 4). In the southwestern part of Upshur County, the Carrizo-Wilcox dips steeply (about 130 feet per mile) southwest toward the Tyler Basin in Smith County.

The altitude of the top of the Carrizo-Wilcox aquifer (Figure 4) ranges from about 300 feet above sea level (near the outcrop areas) in the northwestern corner of Upshur County and in the southeastern corner of Gregg County, to nearly 500 feet below sea level (900 feet below land surface) in the southwestern corner of Upshur County. The Carrizo-Wilcox in Gregg and Upshur Counties has an average thickness of about 600 feet.

The Queen City Sand, the second most important aquifer, crops out over 90 percent of the area or about 840 square miles. The formation is absent along Little Cypress and Kelsey Creeks, a few miles west of Gilmer, and along the Sabine River south of Longview (Figure 2). The base of the aquifer dips generally toward the trough (the East Texas Embayment) at a rate approximately equal to the dip of the top of the Carrizo-Wilcox aquifer (Figure 5). The thickness of the aquifer, which in most places is about equivalent to the depth to the base of the aquifer shown on Figure 5, ranges from a few feet to about 500 feet.

GROUND-WATER HYDROLOGY

Occurrence and Movement of Ground Water

Ground water in the Carrizo-Wilcox aquifer and the Queen City Sand occurs under artesian and water-table conditions in Gregg and Upshur Counties. Under water-table conditions, the water is unconfined and when tapped by wells, the water does not rise in the wells above the zone of saturation in the aquifer. Under

artesian conditions, the water is confined and when tapped by wells, the water rises in the wells under hydrostatic pressure to a level above the top of the aquifer. If the pressure head is large enough to cause the water in the well to rise to an altitude greater than that of the land surface, the well will flow. The level to which water will rise in artesian wells is called the piezometric surface.

The Carrizo-Wilcox aquifer yields water under artesian conditions in Gregg and Upshur Counties, except in the outcrop area of the Carrizo where the water is unconfined. Water in the Queen City is unconfined except in the southwestern and northeastern parts of Upshur County where the overlying Weches Greensand effectively confines the water.

Ground water moves slowly (tens to hundreds of feet per year) from areas of recharge to areas of discharge. The direction of movement of the water in the Carrizo-Wilcox aquifer is shown in Figure 6. The contours show that the ground water moves generally toward the center of the trough where, coincidentally, large or concentrated withdrawals have formed general cones of depression in the piezometric surface. The slope of the piezometric surface across the 250 foot contour line (Figure 6) averages about 8 feet per mile.

The movement of water in the Queen City Sand, as indicated by the water-table map (Figure 7), generally is toward the larger streams. Because of the low hydraulic gradient (8 feet per mile), the rate of movement is slow, perhaps only a few hundred feet per year.

Recharge and Discharge

Ground water in the Carrizo-Wilcox aquifer and the Queen City Sand is derived from the infiltration of precipitation on the outcrop areas, from runoff en route to a watercourse, and from the infiltration of water from streams and lakes. The recharge areas of the Carrizo-Wilcox lie mostly in adjacent counties to the northwest and southeast. Those of the Queen City are in Gregg and Upshur Counties and in adjacent counties to the north and west.

A number of factors govern the rate of natural recharge, the most important of which are: (1) the type of soil in the outcrop areas; (2) the duration and intensity of rainfall; (3) the slope of the land surface; (4) the presence of vegetational cover; and (5) the depth of the water table.

Recharge to the Carrizo-Wilcox aquifer could not be determined from the available data. However, an estimate of the mimimum amount of recharge to the Queen City Sand can be made on the basis of the quantity of water that is being transmitted downdip under a hydraulic gradient (8 feet per mile) that has not been significantly affected by pumping. Thus, recharge is equal to at least 2.4 mgd (million gallons per day) or 2,700 acre-feet of water per year. An additional but undetermined quantity enters the aquifer and moves to the streams where it is discharged as seep and spring flow. The streamflow records of Little Cypress Creek near Ore City, which drains an area of 383 square miles, are insufficient to determine the low flow of the stream, which is sustained by ground water discharged largely from the Queen City Sand.

The water in the two aquifers is discharged both naturally and artificially. The natural discharge is the flow of springs and seeps, evaporation from the water table, and transpiration by trees and plants whose roots reach the water table. The quantity of water discharged by each method is difficult to determine, but it is at least several times the amount discharged by wells. Little water is discharged naturally from the Carrizo-Wilcox aquifer. An unknown, but probably large quantity of water is discharged from the Queen City through springs and seeps and by evapotranspiration. The artificial discharge by wells was 3.02 mgd (about 3,400 acre-feet) from both aquifers in 1966, of which 2.84 mgd was from wells in the Carrizo-Wilcox aquifer.

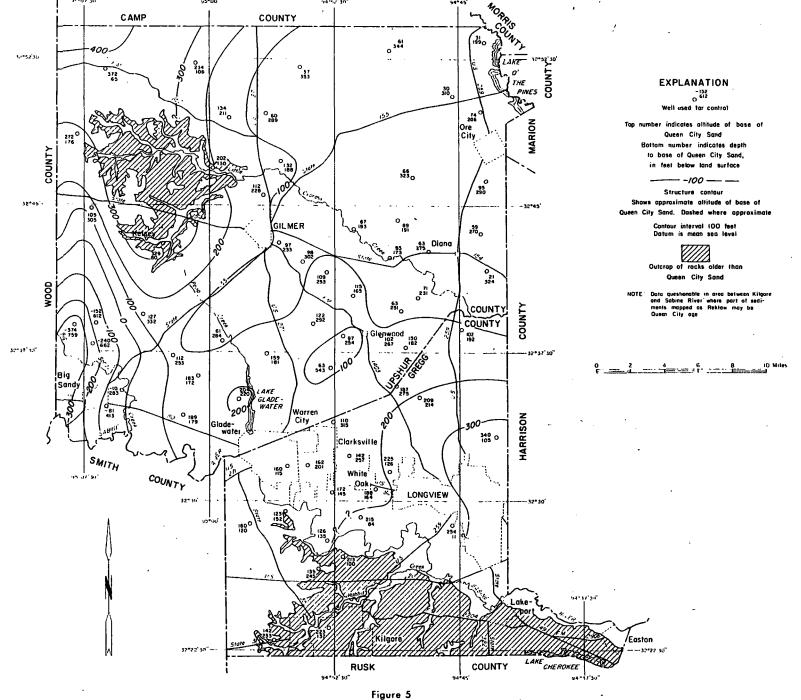
Hydraulic Properties of the Aquifers

The hydraulic properties of an aquifer that determine its capacity to transmit and store water are expressed as the coefficient of transmissibility and the coefficient of storage. (See definition of terms.)

Pumping tests were made in seven wells tapping the Carrizo-Wilcox aquifer. The results of these tests are shown in Table 3. The coefficients of transmissibility determined from these tests ranged from 3,100 to 11,000 gpd (gallons per day) per foot; discharge rates ranged from 100 to over 800 gpm; and specific capacities ranged from 2.8 to 15.5 gpm per foot of drawdown (Table 3). The range in transmissibility is due to variations in the permeability and thickness of the aquifer sands. None of the wells fully penetrated the aquifer; consequently, the results of the tests generally gave values that are less than those that would have been obtained from wells penetrating the entire aquifer. The coefficients of permeability, which were estimated from the total amount of sand believed to be contributing to the well (in most of the wells it was the equivalent of the amount of screen or perforation in the well), ranged from 41 to 128 gpd per square foot for an average of nearly 80 gpd per square foot. This value is considerably higher than the 50 gpd per square foot determined for the same unit in Wood County (Broom, 1968, p. 14). Thus, where as much as 400 feet of sand is available to the aquifer, the coefficient of transmissibility might be as much as 32,000 gpd per foot. The coefficient of storage obtained from one test was 0.00006. This value is within the range generally attributable to artesian conditions.

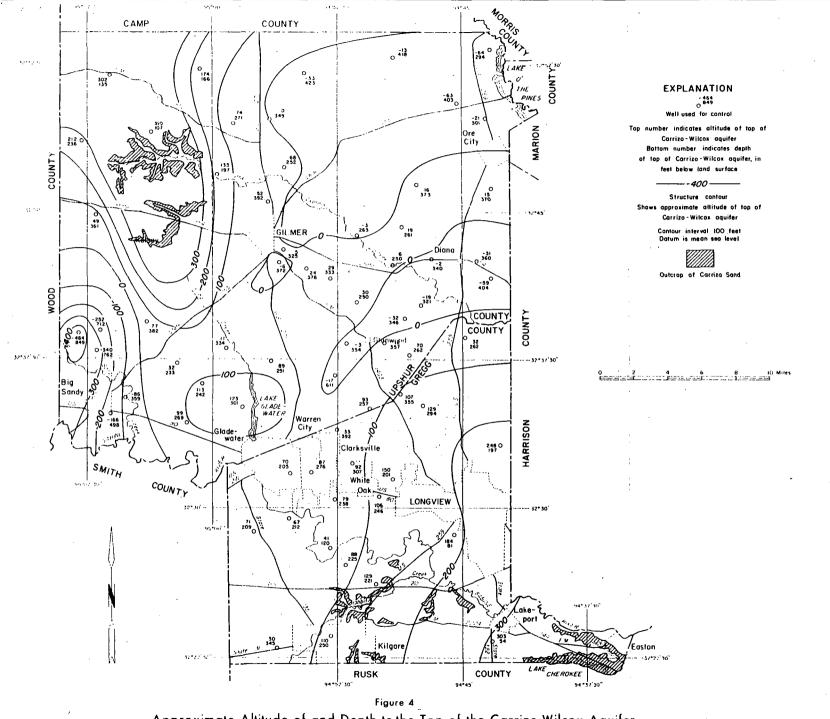
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The Market



Approximate Altitude of and Depth to the Base of the Queen City Sand

Base map from US Geological Survey 1c,104:aphic quadrangles



Approximate Altitude of and Depth to the Top of the Carrizo-Wilcox Aquifer

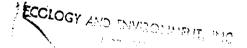
Base map from U.S. Geological Survey topos, Aphic quadrangles

TEXAS WATER COMMISSION Rule Change

§§307.1-307.10
Texas Surface Water Quality Standards

Effective: April 29, 1988

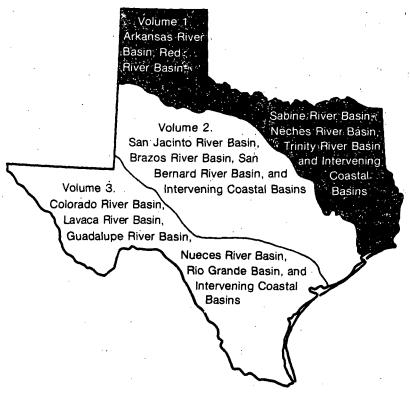
- 1. <u>Purpose</u>. This change transmittal provides the pages that reflect changes and additions to the Texas Water Commission Volume of <u>Permanent</u> Rules.
- Explanation of Change. 2. The Texas Water Commission (TWC or commission) adopted the repeal of existing 31 Texas Administrative Code §§307.1-307.3 and new §§307.1-307.10. Section 307.1 and §307.2 were adopted without changes. Sections 307.3-307.10 were adopted with changes to the proposed text published in the October 9, 1987 issue of the Texas Register (12 TexReg 3642). The previous surface water quality standards were set forth in \$\$333.11-333.21 and \$\$307.1-307.3. The standards that appear in \$\$333.11-333.21 no longer exist under the terms of Senate Bill 249, 69th Legislature (1985) subsequent to the adoption of new §§307.1-307.10, which replace those previous Texas Water Development Board Rules. This adoption was published in the April 15, 1988 issue of the Texas Register (13 TexReg 1776).



		Ĺ	US	ES		CRITERIA						
SECMENT NUMBER	SABINE RIVER BASIN SECMENT NAME	RECREATION	AQUATIC LIFE	DOMESTIC WATER SUPPLY	OTHER	CHLORIDE (ng/L) Annual average not to exceed	SULFAIE (mg/L) Annual average not to exceed	TOTAL DISSOLVED SOLIDS (mg/L) Annual average not to exceed	DISSOLVED OXYGEN (mg/L)	PH RANGE	FECAL COLIFORM (#/100 mL) Thirty-day geometric mean not to exceed	TEMPERATURE (°F) Not to exceed
0501	Sabine River Tidal	CR	H						4.0	6.0-8.5	200	95
0503	Sabine River Below Toledo Bend Reservoir	CR	н	PS		30	25	120	5.0	6.0-8.5	200	91
0504	Toledo Bend Reservoir	CR	н	PS		70	`30	240	5.0	6.0-8.5	200	.93
0505	Sabine River Above Toledo Bend Reservoir	CR	н	PS		175	75	400	5.0	6.0-8.5	200	93
0506	Sabine River Below Lake Tawakoni	CR	H	PS		200	100	500	5.0	6.0-8.5	200	90
0507	Lake Tawakoni	CR	H	PS		2Ô	35	200	5.0	6.0-8.5	200	93
0508	Adams Bayou Tidal .	CR	H .						4.0	6.0-8.5	200	95
0509	Murvaul Lake	CR	Н	PS		150	75	500	5.0	6.5-9.0	200	92
0510	Lake Cherokee	CR	н	PS		75	50	250	5.0	6.0-8.5	200	95
0511	Cow Bayou Tidal	CR	Н						4.0	6.0-8.5	200	95
0512	Lake Fork Reservoir	CIR	H	PS		30	30	200	5.0	6.5-9.0	200	95
0513	Big Cow Creek	CR	Ĥ	PS		75	50	300	5.0	5.5-8.5	200	90
0514	Big Sandy Creek	CR	н	PS		75	50	300	5.0	6.0-8.5	200	90
0515	Lake Fork Creek	CR	Н	PS		100	75	400	5.0	6.0-8.5	200	90

r esources Texas Water Year 1987

Volume 1. Arkansas River Basin, Red River Basin, Sabin River Basin, Neches River Basin, Trinity River Basin and Intervening Coastal Basins



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT TX-87-1 Prepared in cooperation with the State of Texas and with other agencies

ECOLOGY AND ENVIRONMENT, INC.

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08020000 SABINE RIVER NEAR GLADEWATER. TX

LOCATION.--Lat 32°31'37", long 94°57'36", Gregg County, Hydrologic Unit 12010002, on right bank 46 ft downstream from bridge on U.S. Highway 271, 0.4 mi downstream from Glade Creek, 1.2 mi southwest of Gladewater, and at mile 397.5.

DRAINAGE AREA .-- 2,791 mi2.

PERIOD OF RECORD. -- October 1932 to current year.

REVISED RECORDS.--WSP 1732: Orainage area. WDR TX-73-1: 1972.

GAGE.--Water-stage recorder. Datum of gage is 243.85 ft above National Geodetic Vertical Datum of 1929 (Texas Reclamation Department bench mark based on Geological Survey datum). Prior to Oct. 13, 1933, nonrecording gage at same site and datum.

REMARKS..-Records fair. Flow is partially regulated by Lake Tawakoni (station 08017400), capacity 936,200 acre-ft, by Lake Fork Creek Reservoir (station 08018800), capacity 675,800 acre-ft, and five tributary reservoirs with a combined capacity of 42,370 acre-ft. There are many diversions above station for oilfield operations and municipal supply. Rain gage and gage-height telemeter at station.

AVERAGE DISCHARGE.--28 years (water years 1933-60) prior to regulation by Lake Tawakoni, 2,012 ft³/s (1,458,000 acre-ft/yr): 27 years (water years 1961-87) regulated, 1,636 ft³/s (1,185,000 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 138,000 ft³/s Apr. 2, 1945 (gage height, 44.16 ft, from flood-mark), from rating curve extended above 91,000 ft³/s; minimum, 5.6 ft³/s Aug. 16, 1939.

Maximum stage since at least 1892, that of Apr. 2, 1945.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1914 reached a stage of about 41.7 ft (discharge, 85,900 ft³/s), from information by local resident.

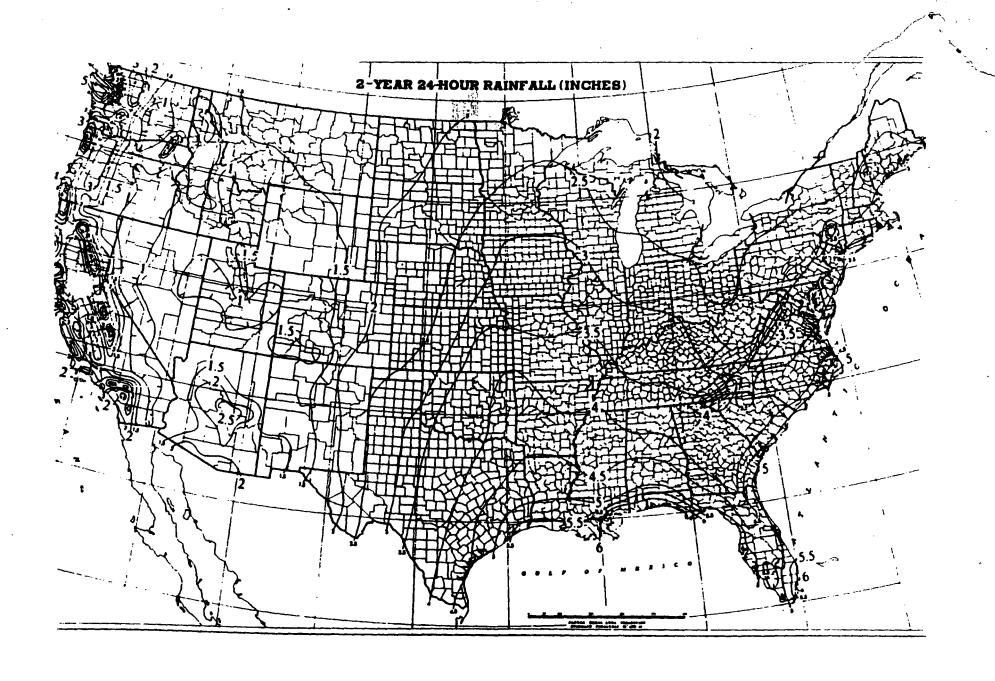
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9.640 ft³/s Mar. 26 at 1000 hours (gage height, 31.34 ft); minimum, 37 ft³/s Aug, 17.

	٠,	DISCHAR	IGE. IN CL	JBIC FEET	PER SECO	ND, WATER MEAN VALU	YEAR OCTO	BER 1986	TO SEPTEM	IBER 1987		
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	170	1410	1910	1360	5110	6600	237	e573	685	81	116
2	68	159	1520	1720	1290	5310	5930	226	e549	572	77	123
3	60	148	1530	1470	1130	5500	5110	226	e525	587	71	116
4	54	277	1390	1230	911	5700	4110	252	e481	666	65	104
5	50	784	1150	1110	795	5900	2920	275	e496	716	60	95
6	69	826	1000	1020	741	6100	2000	309	e635	781	61	77
7	129	952	918	996	719	6270	1480	326	e744	776	64	62
8	223	701	1170	1000	693	6400	1140	308	752	666	55	52
9	239	462	2770	982	677	6430	936	287	491	533	51	47
10	207	360	3900	1090	737	6360	844	274	378	423	50	45
11	178	328	3940	1200	758	6230	786	256	375	352	50	48
12	180	310	3500	1260	692	6020	736	256	494	301	46	55
13	177	285	2660	1330	636	5760	691	296	686	248	42	92
14	170	267	1870	1440	571	5430	643	e399	949	206	42	96
15	181	265	1660	1510	766	4920	591	385	1370	178	40	134
16	1 <i>72</i>	253	1920	1410	1140	4160	551	366	1730	160	40	178
17	169	273	1960	1190	1270	e4170	570	450	2030	148	37	156
18	195	291	1920	1140	1160	5450	703	e545	2290	144	50	193
19	170	269	1970	1340	1010	5990	692	579	2300	167	72	153
20	139	244	1960	1630	1450	6290	581	552	2190	177	76	108
21	114	223	1890	1890	2470	6560	494	507	2130	156	77	87
22	102	335	1820	2120	2930	6930	418	466	2010	136	77	75
23	153	483	2010	2320	2900	7550	372	436	1890	125	77	67
24	301	661	2410	2480	2890	8480	340	498	1840	160	78	60
25	379	878	2640	2540	3150	9290	340	528	1870	158	77	56
26 27 28 29 30 31	411 344 272 225 190 180	1240 1350 1280 1230 1290	2690 2580 2450 2340 2220 2070	2500 2360 2120 1890 1690 1500	3570 4240 4770 	9580 9430 9020 8350 7720 7160	418 407 341 282 253	550 617 624 606 582 577	1890 1800 1480 1090 854	152 131 116 107 96 88	74 74 74 75 83 94	53 53 57 66 61
TOTAL	5575	16594	65238	49388	45426	203570	41279	12795	36892	9911	1990	2685
MEAN	180	553	2104	1593	1622	6567	1376	413	1230	320	64.2	89.5
MAX	411	1350	3940	2540	4770	9580	6600	624	2300	781	94	193
MIN	50	148	918	982	571	4160	253	226	375	88	37	45
AC-FT	11060	32910	129400	97960	90100	403800	81880	25380	73180	19660	3950	5330

CAL YR 1986 TOTAL 726294 MEAN 1990 MAX 12700 MIN 28 AC-FT 1441000 MTR YR 1987 TOTAL 491343 MEAN 1346 MAX 9580 MIN 37 AC-FT 974600

e Estimated

Herschfield, D.M., 1961, Rainfall Frequency Atlas of the United States. U.S. Weather Bureau Technical Paper No. 40.



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CHARACTERISTICS OF THE POFREF 29

PC80:1-A45 Tex.

Number of Inhabitants

HA 215.T5 1980 **TEXAS**

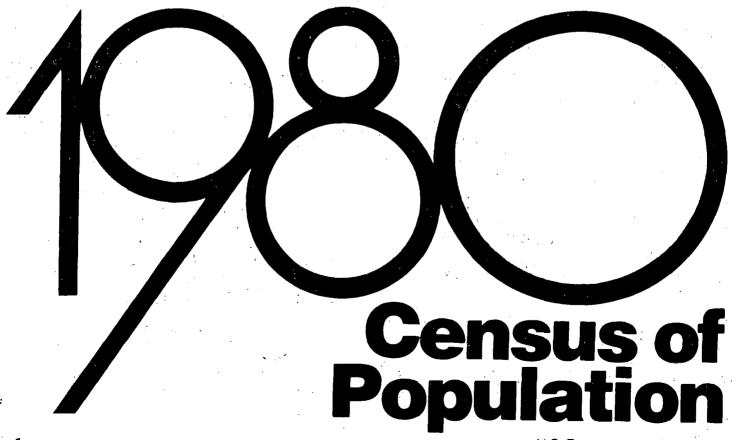


Table 4. Population of County Subdivisions: 1960 to 1980—Con.

[Total population of a place in two or more county subdivisions appears in table 5. Counts relate to county subdivisions and places as defined at each census. For meaning of

	symbols, see int						
a Cubdicione	1980	1970	1960	County Subdivisions	1980	1970	1960
County Subdivisions				dom'y describions			
Gonzales County ⁴⁰	16 883 8 732	16 375	17 845	Hale County — Con. Plainview division — Con.			1
Gonzales city ⁴⁰	7 152	5 854	5 829	Edmonson town	291 22 187	19 096	18 735
Gonzales Northwest division	1 629 964	1 064	1 355	Plainview city** Seth Ward (CDP)	1 186	17 076	,,,,,,,
finision	3 246 2 008	3 039 1 925	3 270 1 751	Hall County ⁴⁷	5 594	6 015	7 322
rown city (pt.)	988	1 108	1 206	Estelline division	518 258	663 301	857 346
Smiley city	439 1 324	440 1 605	455 2 050	Estelline town Lakeview division	645	780	1 298
Woelder City	942	1 138	1 270	Lakeview town ⁶⁷	244 (3 638 (214 3 626	219 3 992
Gray County**	26 386	26 949	31 535	Memphis city	3 352 793	3 626 3 227 946	3 332 1 175
McLean division	1 608 1 160	1 656 1 183	1 927 1 330	Turkey division	644	680	813
Demon division	22 981		24 664	Hamilton County ⁸⁸	8 297	7 198	8 488
Pampa city** East division	21 396 1 797	21 726		Hamilton division	6 024	5 327	6 358
Laturs town ⁴¹	829	816	864	Evant town (pt.) ⁶⁸ Hamilton city ⁶⁸	3 189	2 760	3 106
Grayson County ⁴²	89 796	83 225	73 043	Hico division	2 273 1 375	1 871 975	2 130 1 020
East Grayson division	72 364 846	778	707	·			
Denison city (pt.) ⁴²	23 813 2 072	24 923 1 359	22 748 680	Hansford County ⁸⁰	6 209 2 184	6 351 2 344	6 208 2 152
Howe town (pt.) ⁶²	371			Gruver city ⁸⁹ Spearman division	1 216 4 025	1 265 4 007	1 030 4 056
Sherman city (pt.)42	30 354 811	29 061 540	24 988 403	Spearman city ⁴⁰	3 413	3 435	3 555
Torn Bean town ⁴²	1 860 1 751	1 981 1 742	1 608 1 315	Hardeman County**	6 368	6 795	8 275
Whitewright town (pt.) Northwest Grayson division	12 562	1 /42		Chillicothe division	1 496	1 720 1 116	1 988
Denison city (pt.) ⁶² Partsboro town ⁶²	71 895	748	640	Chillicothe cityGoodlett division	300	373	672
Sodier city ⁴² Sherman city (pt.) ⁶²	329 59	309		Quanah division Quanah dity ⁴⁰	4 572 3 890	4 702 3 948	5 615 4 564
Southmove town (pt.)82	304	222					1
Whitesboro city ⁴¹	3 197	2 927	2 485	Hardin County*1	40 721 9 808	29 996	24 629
Southwest Grayson division	4 870	3 624 768	:::	Lumberton city (pt.)** Rose Hill Acres city	2 472 460	431	:::
Collinsville town ⁶²	860 205	/ /08	560	Kountze division	6 844		
Guinter town	849	647	593	Kountze city** Lumberton city (pt.)** Saratoga—Batson division	2 716	2 173	1 768
Howe town (pt.) ⁸² Sherman city (pt.) ⁸²	.=1	''-		Saratoga—Batson division	3 182 16 832	2 483	2 489
Southmayd town (pt.)12 Tiaga town ⁸²	14 511	456	403	Silsbee divisionSilsbee city*!	7 684	7 271	6 277
-		75 929	69 436	Sour Lake division	4 055 194	3 230 (NA)	2 679
Gregg County ⁴³ Gladewater division	99 487 7 258			Sour Lake city	1 807	1 694	1 602
Clarksville City city (pt.)	525 4 311	398 4 300	359 4 946	Harris County*2	2 409 547	1 741 912	1 243 158
Warren City city (pt.)	279	146	167	Baytown division	62 594 56 917	43 980	28 159
White Oak city (pt.)*** division	· 10 474	2 300	1 250	Baytown city (pt.)*2	80		
Rolling Meadows city ⁴³	8 321 252	7 275	7 980	Houston divisionAldine (CDP)	1 994 880 12 623	•••	
Langview division	68 917	45 547	40 050	Bellaire city ⁴² Bunker Hill Village city	14 950 3 750	19 009 3 977	19 872 2 2 16
Longview city (pt.)43	60 889 2 926	45 34/	40 030	Channelview (CDP)	17 471		
Longview Northwest division	3 439			Cloverleaf (CDP)	17 317		•••
Longview city (ot.) 01	196			Galena Park city	9 879 2 506	10 479 3 255	10 652
White Oak city (pt.)43 Longview South division	15 4 678			Hilshire Village city	621	627	938 219
Easton city (pt.)	265 835	255 411	203	Houston city (pt.)*2Humble city*2	1 574 602 6 729	'3 272	1 711
Liberty City city ⁴³	1 121			Hunters Creek Village city	4 215 8 953	3 959 9 563	2 478 9 547
Sabine division Kilgare city (pt.)**	4 724 104			Jecinto City city*2	4 084	765	493
Grimes County ⁴⁴	-13 580	11 855	12 709	Koty city (ot) ⁴²	16 094	2 017	998
/ Hedias division	4 211	11 633		Kingwood (CDP) (pt.) Missouri City (pt.) ¹²	3 936 4 526	3 173	ii
Navasota division	9 369 5 971	s iii	4 937	Nossau Boy city ¹² Pasadena city (pt.) ¹²	9	:::	:::
	46 708	33 554	29 017	Pearland city (pt.)*2Piney Point Village city	787 2 958	2 548	1 790
Guadalupe County ⁴³	5 366	2 633	27 017	Sheldon (CDP)	2 031 13 293	1 665 11 527	7 523
Cibclo city (pt.) ⁶⁵	28 916			South Houston city	1 366	1 466	1 282
Marion city ⁴⁵	674	655	557	Spring Valley cityStafford town (pt.)	3 353 229	3 170 61	3 004
Schertz city (pt.) ⁸⁵ Cibolo division	8 222	***	:::	Webster city*2	2 405	2 231	329
Cibalo city (pt.)85	521	440 4 061		West University Place city	12 010	13 317	14 628
Schertz city (pt.)45Sehra city (pt.)45	157		:::	Northeast Harris division	30 179 1 3 183	2 750	2 364
Seguin division Seguin city (pt.) ⁸⁵	17 853 17 766	15 934	14 299	Barrett (CDP)	1 533	1 118	
Seguin East division	3 165			Highlands (CDP) Houston city (pt.)92	6 467 2 973	3 462	4 336
Seguin North division	5 376			Northwest Harris division*2	150 842 14 692		
McQueeney (CDP) (pt.) New Braunfels city (pt.)45	180 27			Champions (CDP)	3 996	2 734	1 713
Sequin city (pt.)85	6 726			Waller city (pt.)	111 107	131	38
Seguin Southwest division McQueeney (CDP) (pt.)	236			Pasadena division Houston city (pt.)** Pasadena city (pt.)**	1 106	189 957	58 737
New Berlin city ⁴⁵ Seguin city (pt.) ⁶⁵	253 47				1	-07 73/	30 /3/
•				Southeast Harris division	59 945 22 648	12 773	4 865
Hale County**	37 592 3 537	34 137 3 446	36 798 4 371	Deer Park city*2 El Lago city*2 Houston city (pt.)*2	22 648 3 129	2 308	1
Abernathy city (pt.)**	2 205 3 719	1 921 3 667	1 827 4 274	J La Porte city**	14 062	7 149	4 512
Hale Center division	2 297	1 964	2 196	Longx city*2	2 991	894 593	439 560
Petersburg division	2 25 9 1 633	2 153 1 300	2 767 1 400	Morgan's Point city Pasadena city (pt.) ¹² Seabrook city (pt.) ¹²	2 555		
division			ı	Seabrook city (pt.)**	4 670	3 811	1
				•			

See footnotes at end of table.

Table 5. Population of Places: 1960 to 1980—Con.

(For changes in boundaries of incorporated places since 1970, see table 4. For meaning of symbols, see Introduction (

4.5		(For changes in	boundaries of	incorporated p	laces since 1970, see table 4. For mea	ning of symbols, see introduction)			
Incorporated Places Census Designated Places	Counties	1980	1970	1960	Incorporated Places Census Designated Places	Counties	1980	1970	1960
(CDM)	Cab-satur	1	·	}		P. Jakan	783	.70	438
Highland Bayou (CDP)			10 133	10 411	Kress city	Denton	1 469	578	436
			3 462	4 336	Krum city	Denton	917	454	317
			516	ين ا	Kyle town	Hays	2 093	1 629	1 023
Harman Village city	Brazaria	972 771	63 6 650	418	Lackland AFB (CDP)	Medina	862	19 141 768	1 :::1
uthborn city	- Hill	7 397	7 224	7 402	Lacy-Lakeview city	McLennan	2 752	2 558	2 272
Village City	Harris	621	627	543	Ladonia town	. Fannin	761	757	890
Hitchcock city	_ Galveston	6 655 863	5 565 723	5 216 653	La Feria city			2 642 3 092	3 047 3 623
		1	723	033	1	•		3 072	3 023
Holliday city	_ Archer	1 349	1 048	1 139	La Grulla city	Starr	1 442	1 194	1 :::1
Hallywood Park town	Meding	3 231 6 057	2 299 5 487	783 4 992	Laguna Vista village	Hidalon	2 018	287 1 217	141
Honey Grove city	_ Fannin	1 973	1 853	2 071	Lake Bridgeport city	Wise	271		:::
Hooks city	_ Bowie	2 507	2 545	2 048	Lake City town	San Patricio	431	1 431	1 …1
Harizon City (CDP)	_ El P030	1 956	•••	•••	Lake Dallas city			13 376	9 651
Houston city	_ Total	1 595 138	1233535	938 219	Lakeport city	Gregg	835	411	11
	Fort Bend (pt. in)	16 270 1 578 849	1233473	938 219	Lake Ransom Canyon village	Lubback	561 276	• • • •	
•	Montgomery (pt. in)	19	1233473	730 217	turesoe lowii	Sui Fulladi	1 279]
Howardwick city	_ Donley	165		:11	Lakeside town	Tarrant	957	988	651
Howe town	_ Groyson	2 072 1 1 676	1 359 1 572	680	Lakeside City town	Total	515	187	
Hudson city	. Angelina	1 659	'670			Archer (pt. in)	515	187	11
Hudson Oaks town	_ Parker	309 2 196	1 466	. 616		Wichita (pt. in)	ا بمة ا		ļ ···· [
Humble city	LOSS	6 729	1 701 73 272	1 813 1 711	Lake Tanglewood village	Hall	485 244	214	żi
Hunters Creek Village city	_ Harris	4 215	3 959	2 478	Lakeway viilage	Trovis	790		
Huntington city	_ Angelina	1 672	1 192	1 009	Lakewood Village city	Denton	165 4 394	4 958	3 833
Huntsville city	Walker	23 936	17 610	11 999	Lake Worth city	Galveston	15 372	16 131	13 969
Hurst city	_ Tarrant	31 420	27 215	10 165	Lamesa city	Dawson	11 790	11 559	12 438
Hutchins city		2 837 659	1 755	1 100	Lampasas city	Lampasas	6 165	5 922	5 061 7 501
Hutto town	Shelby	341	545 208	442	Lancaster city		1 '* 80'	10 522	, , 301
Idalou town	_ Lubbock	2 348	1 729	1 274	La Porte city	Harris	14 062	7 149	4 512
Impact town		54 5 436	3 763	3 022	La Pryor (CDP)	Zovola	91 449	69 024	60 678
Ingram (CDP)	_ Kerr	1 921	,,,,	3 022	Las Milpas-Hidalgo Park (CDP)	Hidalgo	3 039		00 370
lowa Colony village	Brazona	585	••• }	•••	Latexo city	Houston	312	2 :::	
lowg Park town	Wichita	6 184	5 796	3 295	Laughlin AFB (CDP)	Wilson	2 994 632	3 458 '425	:::1
Irgan city	. Pecos	1 358	996	1 255	La Villa city	Hidaigo	1 442	1 255	1 261
Iredell city		407 109 943	97 260 I	366 45 985	Loven town	Collin	185 (218	247	175
ligiy town	Ellis	1 306	1 309	1 183	La Ward city		l ''°	241	''3
Itasca city	. Hill	1 600	1 483	1 383	Lown town		390	344	310
Jacksboro city		8 953 4 000	9 563 3 554	9 547 3 816	League City city	Galveston	16 578 16 410	10 818 8 030	
lacksonville city	Cherokee	12 264	9 734	9 590	Urban part Leakey city	Real	468	393	587
Jamaica Beach village	Galveston	365]		Leander city	Williamson	2 179	:::	
Josper city	lasper	6 959	6 251	4 889	Leary city Lefors town	Bowie	253 829	352 816	864
Jayton town	. Kent	638	703	649	Leana town	Leon	165	96	
Jefferson city		2 643 4 084	2 866 765	3 082 493	Leonard city	Fannin	1 421 8 951	1 423 '2 487	1 117 536
Jewett city		597	447	445	Lean Valley city	McLennan	253	2 407	
Joaquin town		917	819	528		*	l l		
Johnson City city	Clay	872 174	767	611	Levelland city	Nockley	13 809 24 273	11 445 9 264	10 153 3 956
Jones Creek village	Brazoria	2 634	1 763	:::,	Lexington town	Lee	1 065	719	711
Josephine town	Collin	416	296	296	Liberty city	Liberty	7 945 1 121	5 59 1	6 127
Joshua city	Johnson	1 470	924	764	Liberty City city	Denton \	39		1 ::: (
Jourdanton city	Atascosa	2 743	1 841	1 504	Lindale fown	Smith	2 180	1 631	1 285
Junction city		2 593 920	2 654 741	2 441 622	Linden cityLindsay town		2 443 581	2 264 435	1 832
Kames City town	. Karnes	3 296	2 926	2 693	Lipan city		435	333	309
W at the	Treat		2 222		Park March		024	2/2]
Katy city	Fort Bend (pt. in)	5 660 (517	2 923 579	1 569 (375	Little Elm town		926 7 409	363 6 738	7 236
	Harris (pt. in)	4 475	2 017	998	Little River-Academy city	Bell	1 155		
Kaufman city	Waller (pt. in)	668 4 658	327 4 012	196 3 087	Live Oak city		8 183 602	2 779 319	
Keene city	Johnson	3 013	2 440	1 532	Livingston town		4 928	3.965	3 398
Keller city	Terrent	4 156	1 474	827	Llano city	Uano	3 071	2 608	2 656
Kemah city Kemp town	Kaufman	1 304 (999	áiá	Lockhart city		7 953 2 334	6 4 89 2 094	6 084 2 141
Kendleton town	Fort Bend	606			Lomax city		2 991	894	439
Kenedy city	Karnes	4 356	4 156	4 301			1	(00	
Kenefick fown	Houston	763 424	'205 '448		Lone Oak town		666 467	633 518	817 495
		1.	1	ſ	Lone Star town		2 036	1 760	1 513
Kennedale city		2 594 1 1 582 1	3 076	1 521	Longview city	Total	62 762	45 547	40 050
Kermit city	Winkler	8 015	7 884	10 465	roudsies city	Gregg (pt. in)	61 085	45 547	40 050
Kerrville city	Kerr	15 276	12 672	8 901		Harrison (pt. in)	1 677 929	700	
Kilgore city	Total	10 968	9 495	10 092	Lorgine town		619	406	837 277
ge/V bill	Gregg (pt. in)	8 425	7 275	7 980	Lorenzo town	Crosby	1 394	1 206	1 188 (
Killeen city	Rusk (pt. in)	2 543	2 220	2 112	Los Fresnos city	Cameron	2 173	1 297 799	1 289
Killeen city Kingsland (CDP)	Úano	46 296 2 241	35 507	23 377	Lovelady city		865 509	388	924 466
Kingsville city	Kleberg	28 808	28 915	25 297	Lowry Crossing town	Collin	443		
Kingwood (CDP)	Total	16 261])	Lubbook city		173 979 1 371	149 101 540	128 691 203
migrood (CDF/Laclace	Harris (pt. in)	16 094		:::	LUNG 19711	.v			
Makes are	Montgomery (pt. in)	167			Lueders city	Total	- 420	511	654
Kirby city	Josoer	6 385 1 972	'3 238 1 869	1 660		Jones (pt. in)	420	511	654
Kirvin town	Freestone	107	65	81	Luella town	Grayson	371		· · · · · · · · · · · · · · · · · · ·
Knox City city	Knox	1 546 484	1 536	1 805	Lufkin city	Angelina	28 562 5 039	23 049 4 719	17 641 4 412
Kountze city	Hardin	2 716	471 '2 173		Luling city		2 480	~ / 1 /	7 7

RECORD OF (Record of Item Checked Below) x Phone CallDiscussionField Trip ConferenceOther(Specify)					
TO: Michelle, City of Longview Engineering Department	From: Brenda Nixon Cook, FIT Chemist	Date: 6/2/89			
	brenda Nixon Cook, rii Chemist	Time: 3:40 pm			
SUBJECT: Floodplain Information					
SUMMARY OF COMMUNICATION I called the City of Longview Engineering Department to find out if the intersection of Robin Lane and Harrison Road was located in a floodplain.					
			Michelle looked on floor	l map for the city and said that are	ea was zone C -
			not located in floodpla	n.	
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CONCLUCTONS ACTION TARE	N OD DECUEDED				
CONCLUSIONS, ACTION TAKE	OK KEGNIKED				
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INFORMATION COPIES TO:					